

SEQUENCE LISTING

<110> The Government of the United States of America

<120> CELL LINES AND HOST NUCLEIC ACIDS RELATED TO INFECTIOUS DISEASES

<130> 6395-66741

<150> US 60/482,604

<151> 2003-06-25

<150> US 60/427,464

<151> 2002-11-18

<160> 845

<170> PatentIn version 3.2

<210> 1

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(937)

<223> n is a, g, c, or t

<400> 1

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agacctaggg gagcatctca gcgtcactcg ctgtccagtt gctgtgatca ggtgctttgg	180
ggtttgtgtg actccagaat ccactgggcc tgtgtgtcag aagacaaaag ttaaccataa	240
ggcacagaag aaagcctcct gctgaagcca tcgttgggcc acatgcattt cagggacaag	300
aatgaagat cggagacttt caagttgtgc ccaggactca cctgctcca ggagacaaaa	360
ggccacacag cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctgggtgc	420
tctgtagtaa gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg	480
tgatgtcacc aactgacat actttcccct gcaggccact ccagcccact gtactctttg	540
gcaggcctca ggttctgcta ctccatgtac tattcctgtc ttgcacaggc cagaagctaa	600
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cgccctgtcc ctgccctgac actgattccc cagcccttgc caccacagcc ccttcaccct	720
ccactgcccg tgcagcagca gagacactcc ctcccttgatg caaactgagg cctctggcac	780
cccaactctt tcaaggcaat gatagtctgt gcttaactct acatggccag gccccactc	840
agggaattnc tgtgtgaaat tggtatccgc tgsacaattc cacacaacat ggnncgtcag	900
accccgaaga aaagaancaa nggatctttt ggnnacc	937

<210> 2
 <211> 1515
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n is a, c, g, or t

<400> 2
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 tatgcagtgc tgccataacc atgagtgata aactgcggc caacttactt ctgacaacga 180
 tcggaggacc gaaggagcta accgcttttt tgcacaacat gggggatcat gtaactcgcc 240
 ttgatcgttg ggaaccggag ctgaatgaag ccataccaa cgacgagcgt gacaccacga 300
 tgccctgcagc aatggcaaca acgttgcgca aactattaac tggcgaacta cttactctag 360
 cttcccggca acaattaata gactggatgg aggcggataa agttgcagga ccacttctgc 420
 gtcggccct tccggctggc tggtttattg ctgataaatc tggagccggt gagcgtgggt 480
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 ttgcccttat ctcaaactct tattatgaaa tcaactnccct tgagagaraa aaagcctttt 720
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<210> 3
<211> 885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(885)
<223> n is a, g, c, or t

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agatggaaca gggtcgaccg gtcgaccggt cgaccctaga gaaccatcag atgtttccag 240
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ctcggggcgc cagtctccg attgactgag tcgcccgggt acccgtgtat ccaataaacc 420
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ctctggagct gggggactca gctttgtatt tctgtgccag cagcgtaggt ggtagcttga 720
aacagttctt cgggccaggg acacggctca ccgtgctagg taagaagggg gctccagtgg 780
gagagagggt gagcagccca ncctgnnca cccanance tgtnnttagg ggagtgnca 840
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<210> 4
<211> 900
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(900)
<223> n is a, g, c, or t

<400> 4

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gaaaagcata cccacacagtg tcagtggagg caacatgggg tcctggattt cctcttcacc	180
ctcagtggta gtgaggtggt cctctcactc cttctgagta gaggaagcca agaggaaagc	240
tggaacttgt accatcatcc agtggtgata aagcctctgt cctccacct tacccccagg	300
ttatcagtgg caaccacatg gctagtggta cccctccgc tcctagccag aatgatatca	360
gcagaggcct agagagtagc caaaaaactc atctgcacc agcaggactg aggtttccta	420
ccccaccaa tggaagcaa gtgaggaacc taagccttca cctctcactc agcaggaacc	480
agacaacacc ccctaacaca cacacacaca cacacacaca cacacccttc tgtagtggtg	540
gtatcaagga ggcttgataa aatagaagat ttaaataagga tccattgccc ttatctcaaa	600
ctcttattat gaaatcactc ccttgagaga gaaaaaagcc tttttctctt ggattgtccc	660
agcagctccc gaccatcccc actccccaac cttatgtggc cccagcaatg agcctagtag	720
taggaaaatc tctatggata ctggtgctga tgggaagatt cttcctctca ngaagtgatg	780
gtgactgggg ctctgggatg ctcacgggaa tncatttcc cccacaagaa nttattttat	840
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<210> 5
 <211> 869
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(869)
 <223> n is a, g, c, or t

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ttcttccaat ttcccaaata aatctgtaaa ggtcacaggt gaagttcttc tctttaagag	120
ctactccatg ctaagttcag cgagaacttg gggtagccta gacattcttc cagagatgct	180
tttcttgtaa ctcttttcaa taagtaagca tgctttgctc tgcactgggt gtcacctgtg	240
ttggatgctg ttgtccctgc cttgccctat attctgtcca catggtttct tcataggatg	300
atgcttaggt cagccctgag gtttgaacca gtcaacaagt ccaggttggt gtggagtccc	360
tttagtacct ccctttgcag gaataatgct gcaccagaa actccctcag agcctctcca	420
ctggaggggc cttgtgacca ttctgggtt actcctcttg ttccagcatc ccatgtggcc	480
aatgggcccc ttctatttct aatggatat caattcttac agtaagttat attattgccc	540
tacatcgaac tcatcttttc tcagtgttac ctgaggaaga atggagagga tgcccagaat	600

tggcccagaa gaatccactt cgattctaga gaaaaaggca ggtagaggca gaagagattc	660
acttcccagt gcatgcgtgc tgaatgttgg ggggtgttgtt tgagagagac aaggaaatgg	720
ctgtaaaact tgggaagagg aacctgccct ggggtcaagta ggggtgttggg aggaccagat	780
ggagcttgaa gctctctcca tctttgtcaa gtcccctgga ctgagagggn aaaatnacat	840
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<210> 6
 <211> 850
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(850)
 <223> n is a, g, c, or t

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gagttcttct gagcgggact ctgggggttcg aaatgagcta gcccttaagt aacgccattt	120
tgcaaggcat ggaaaaatac ataactgaga atagaaaagt tcagatcgag gtcaggaaca	180
gatggaacag ggtcgaccgg tcgaccgggc gaccctagag aaccatcaga tgtttccagg	240
gtgccccaaag gacctgaaat gaccctgtgc cttatttgaa ctaaccaatc agttcgcttc	300
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tcggggcgcc agtcctccga ttgactgagt cgccccggta cccgtgtatc caataaaccc	420
tcttgcagtt gcatccgact tgtgggtctcg ctgttccttg ggaggggtctc ctctgagtga	480
ttgactaccc gtcagcgggg gtctttcact ctctgtgtac tggtagcaac agagcctgga	540
ccagggcctc cagttcctca ttcagtatta taatggagaa gagagagcaa aaggaaacat	600
tcttgaacga ttctccgcac aacagttccc tgacttgac tctgaactaa acctgagctc	660
tctggagctg ggggactcag ctttgtatct ctgtgccagc agcgtaggtg gtagcttgaa	720
acagttcttc gggccaggga cacggctcac cgtgctaggt aagaaggggg ctccaggtgg	780
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actgggncat	850

<210> 7
 <211> 847
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(847)
 <223> n is a, g, c, or t

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 gagcatctca gcgtcactcg ctgtccagtt gctgtgatca ggtgctttgg ggtttgtgtg 120
 actccagaat ccactgggcc tgtgtgtcag aagacaaaag ttaaccataa ggcacagaag 180
 aaagcctcct gctgaagcca tcgttggccc acatgcattt cagggacaag aaatgaagat 240
 cggagacttt caagttgtgc ccaggactca cctgctccca ggagacaaaa ggccacacag 300
 cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctgggtgtc tctgtagtaa 360
 gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg tgatgtcacc 420
 aactgacat actttcccct gcaggccact ccagcccact gtactctttg gcaggcctca 480
 ggttctgcta ctccatgtac tattcctgtc ttgcacaggc cagaagctaa aggtgaggag 540
 gactgaacac agtaccaaca taccacatc acaccttact ttctctgcc cgccctgtcc 600
 ctgccctgac actgattccc cagcccttgc caccacagcc ccttcaccct ccactgcccg 660
 tgcagcagca gagacactcc ctctttagt caaactgagg cctctggcac cccaactctt 720
 tcagggcaat gatagtctgt gcttaactct acatggccag gcccactca ggaattctc 780
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 tacagac 847

<210> 8
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(755)
 <223> n is a, g, c, or t

<400> 8
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 taagtgaag tttattttta tttttttttt ttttttgaga cagagtctcg ctctgtcacc 120
 caggctagag tgcagtggca tgatcttggc tcaactgcaac ctccacctcc caggttcaag 180
 tgattctctt gcctcagcct cccaagtagc tagtattaca gacgcctgcc accacgcccc 240
 gttaattttt gtacttttag tagagacagg tttcaccata ttggccaggc tgggtctcaa 300
 ctctgacct caggtgatcc tctgctca gcctcccaaa gtgctgggat tacaggcatg 360

agctaccacg tctggcctaa gtgcatgtta cctatactaa caaaaccaca cttctgcctc 420
 gaatgagaac agtctcctga acatcttgcc tctttgcctg actcaaagcc tcaggtctaa 480
 gcctcccat aatttctagt ctcagcagaa agatcaatga caggagactc tccaggtgat 540
 gaaattaacc aattaagtaa cctggggttg catcctcccg tttgttcacc agctcacctn 600
 ctgccacagg tatatccttt ctctcancca tatatgcaca aacccccctnc ccacgggnaca 660
 catannaana atttggaaga ctanaaaatc aggccanggtt tancncacct tnggggctgg 720
 agtatggnan cctggggccg nacatncata cattg 755

<210> 9
 <211> 839
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(839)
 <223> n is a, g, c, or t

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 ttctaagtgc aagtttattt ttattttttt tttttttttt gagacagagt ctcgctctgt 180
 caccagggt agagtgcagt ggcattgatc ttggtcactg caacctccac ctcccagggt 240
 caagtgattc tcttgctca gcctcccaag tagctagtat tacagacgcc tgccaccacg 300
 cccggttaat ttttgtactt ttagtagaga caggtttcac catattggcc aggctgggtc 360
 caaactcctg acctcagggt atcctcctgc ctcagcctcc caaagtgctg ggattacagg 420
 catgagctac cacgtctggc ctaagtgcatt gttacctata ctaacaaaac cacacttctg 480
 cctcgaatga gaacagtctc ctgaacatct tgccctcttg cctgactcaa agcctcagggt 540
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 cctcctgcc caggatatatc ctttctctca gccatatatg cacaaccccc ctccccacgg 720
 cacacataga aanaatttgg aagactagaa aatcaggcna gggnttanca caccttngag 780
 ggctggagta tggnanccng ggnccgggan atncatncnn tngaaaactt gactatggg 839

<210> 10
 <211> 829
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(829)
 <223> n is a, g, c, or t

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 agttcagatc gaggtcagga acagatggaa cagggtcgac cggtcgaccg gtcgacccta 180
 gagaaccatc agatgtttcc aggggtgcccc aaggacctga aatgaccctg tgccttattt 240
 gaactaacca atcagttcgc ttctcgttc tgttcgcgcg cttctgctcc ccgagctcaa 300
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 ttgggagggg ctctctgag tgattgacta cccgtcagcg ggggtctttc agtagccctt 480
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 tgtcatggtt gagctctaaa aaagagaaat cacttggtat gaantgaagg agaggaaaag 600
 gctgatgtgg atggcctgga agangttcga ttggttacct tggcaccgag cttccttct 660
 catcctcatn cctccctagt ccttgttctt aaaaanantt ttctttctaa ngtccttcc 720
 ccctccncaa gggggcacia ggatntttta aaaacncctt tccgggcnta attttaacct 780
 angatccatc ccagncccg nccnnttttc nnagattcat ttaaacnng 829

<210> 11
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(710)
 <223> n is a, g, c, or t

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 attttgcaag gcatggaaaa atacataact gagaatagaa aagttcagat cgaggtcagg 180
 aacagatgga acagggtcga ccggtcgacc ggtcgaccct agagaaccat cagatgtttc 240
 cagggtgccc caaggacctg aaatgaccct gtgccttatt tgaactaacc aatcagttcg 300
 cttctcgctt ctgttcgcgc gcttctgctc cccgagctca ataaaagagc ccacaacccc 360
 tcaactcgggg cgccagtcct ccgattgact gagtcgcccg ggtaccctgt tatccaataa 420

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accctcttgc agttgcatcc gacttgtggt ctcgctgttc cttgggaggg tctcctctga      480
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cagatgggtga tccaagagat acgcaagaag aggaccgtgt gtgtaatggg tgagctctaa      600
aaagagaaat cacttgggatg gaaatgaagg agaggaaaagg ctgatgtgga tggctgggaa      660
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<210> 12
<211> 752
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(752)
<223> n is a, g, c, or t

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ctcccacttc cttccactca tgtaatgaga ggtgctgatg agtcacagga gaggtagccc      180
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ctgcattgac tggctcctcg tagttttttc ctgtagttgc taaagcctgt aaggtctgtg      300
tgatgaatat tttctaacac atcttagaag aacataatgc aagacagaat gaaaaactag      360
agaggcagaa acccccaaag taagtagtgg gaaattacca ggtatataat aggtcaagcc      420
tgctctgcag gagctcaagg gattgtagca ttcttatccc aaaccactga atcctgggca      480
aaaataagaa gtcgcctaatt tttagtatta ccagcttccc aaccccgggc attcttcac      540
ttactcaagc tgtccagagg ccccgagggtg actccctata agtcccatgg gtggctgaga      600
tctattttaga ggcacaaggg tatctnctta taagtccaat gggngggctg agatctatga      660
gaagcatctt gggggagagt gccntttggc caccagcatg tggncocctna attttncatg      720
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<210> 13
<211> 749
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(749)
<223> n is a, g, c, or t

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 cattttgcaa ggcattggaaa aatacataac tgagaataga aaagttcaga tcgaggtcag 180
 gaacagatgg aacagggctg accggtcgac cggtcgaccc tagagaacca tcagatgttt 240
 ccaggggtgcc ccaaggacct gaaatgaccc tgtgccttat ttgaactaac caatcagttc 300
 gcttctcgct tctgttcgcg cgcttctgct ccccgagctc aataaaaagag ccacaaccc 360
 ctcaactcggg gcgccagtcc tccgattgac tgagtcgccc gggtagccgt gtatccaata 420
 aaccctcttg cagttgcac cgacttgtgg tctcgctgtt ccttgggagg gtctcctctg 480
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 acagatgggtg atccaagaga tacgcaagaa gaggaccgtg tgtgtaatgg ttgagcttta 600
 aaaaangaga atcacttgg atggaaatga agganaggaa aaggcntgat ntngatngcn 660
 gggaaanagg ttccatnggt nncctttggn anccgannct tnccttctn atccccntnc 720
 cntccctann nccntnnttn ttaaaaaag 749

<210> 14
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n is a, g, c, or t

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 cattttgcaa ggcattggaaa aatacataac tgagaataga aaagttcaga tcgaggtcag 180
 gaacagatgg aacagggctg accggtcgac cggtcgaccc tagagaacca tcagatgttt 240
 ccaggggtgcc ccaaggacct gaaatgaccc tgtgccttat ttgaactaac caatcagttc 300
 gcttctcgct tctgttcgcg cgcttctgct ccccgagctc aataaaaagag ccacaaccc 360
 ctcaactcggg gcgccagtcc tccgattgac tgagtcgccc gggtagccgt gtatccaata 420
 aaccctcttg cagttgcac cgacttgtgg tctcgctgtt ccttgggagg gtctcctctg 480
 agtgattgac taccgctcag cgggggtctt tcagtagccc ttcctttgta gcaaagacag 540
 acagatgggtg atccaagaga tacgcaagaa gaggaccgtg tgtgtaatgg ttgagctcta 600
 aaaaagagaa atcacttggg tggaaatgaa ggagaggaaa aggctgatgt ggatggctgg 660

gaagagggttc gatgggttacc ttggcaaccg agcttccttn ctcattccca tccctncccta 720
gtccttggttc tttaaaaaga tttntttnt aatgtccctt nccctccaca aggggggcaca 780
agatgttttn aaac 794

<210> 15
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(784)
<223> n is a, g, c, or t

<400> 15
ccttggnnggg naanacggnt aacaattttt acacaggaat tactacaaaa gactctacta 60
agttctcagg gngaacaaaa aattgtatgt gtgcagaacc tgtgatttgc ctgcacatag 120
tcaagttctc aatgtatgga tgtcccgccc caggctacca tactccagcc ctcaagggtgt 180
gctatacctt gcctgatttt ctagtcttcc aaattcttct atgtgtgccg tggggagggg 240
gtttgtgcat atatggctga gagaaaggat atacctgtgg caggaggtga gctgggtgaac 300
aaacggggagg atgccaaccc aggttactta attggttaat ttcattcacct ggagagtctc 360
ctgtcattga tctttctgct gagactagaa attatgggga ggcttagacc tgaggctttg 420
agtcaggcaa agaggcaaga tgttcaggag actgtttctca ttcgaggcag aagtgtgggt 480
ttgttagtat aggtaacatg cacttaggcc agacgtggta gctcatgcct gtaatcccag 540
cactttggga ggctgaggca ggaggatcac ctgaggtcag gagttttgag accagcctgg 600
ccaatatggg ggaaaacctg tctctactaa aaagtacaaa aattaaccgg gncgtnggng 660
gcaggnnntc tgtaatacta nnctacttgg gngntgnag gcaanaaaat cantttgaac 720
ctnggnaggg gggngnttgc aatnnnccna aaaanatgcc cnntggncct ttaaccttgg 780
gngn 784

<210> 16
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(757)
<223> n is a, g, c, or t

<400> 16

tcctgggccc ncttgccaaa ccttcaggtg gggctctttca ctacaagata gtacaacagg 60
acatttttta aaacctcaaa catcaccaaa atttctaagt gcaagtttat ttttattttt 120
tttttttttt ttttgagaca gagtctcgct ctgtcaccca ggctagagtg cagtggcatg 180
atcttggctc actgcaacct ccacctccca ggttcaagtg attctcttgc ctcagcctcc 240
caagtagcta gtattacaga cgctgccac cagccccggt taatttttgt acttttagta 300
gagacagggt tcaccatatt ggccaggctg gtctcaaact cctgacctca ggtgatcctc 360
ctgcctcagc ctcccaaagt gctgggatta caggcatgag ctaccacgtc tggcctaagt 420
gcatgttacc tatactaaca aaaccacact tctgcctcga atgagaacag tctcctgaac 480
atcttgctc tttgcctgac tcaaagcctc aggtctaagc ctccccataa tttctagtct 540

tgggttggca tctctccggt tgttcaccag ctcacctnct gncacaggta tatncttttt 660
tctnagccat atatgccccaa anccccctnc ccacgnaca catngaagaa ntnnggaaga 720
ctngaaaatc aggccagggt tnngcccacc ttngggg 757

<210> 17
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(783)
<223> n is a, g, c, or t

<400> 17
annaacttga atgaccctc tngccaaatc cttagggggg ggtccttcac tacaagatag 60
tacaacagga catttttttt aacctnaaac attaccacaa atttctaagt gcaagtttat 120
ttttattttt tttttttttt ttgagacaga gtctcgctct gtcacccagg ctagagtgca 180
gtggcatgat cttggctcac tgcaacctcc acctcccagg ttcaagtgat tctcttgctt 240
cagcctccca agtagctagt attacagacg cctgccacca cgccccggtta atttttgtac 300
ttttagtaga gacaggtttc accatattgg ccaggctggt ctcaaactcc tgacctcagg 360
tgatcctcct gcctcagcct cccaaagtgc tgggattaca ggcatgagct accacgtctg 420
gcctaagtgc atgttaccta tactaäcaaa accacacttc tgctcgaat gagaacagtc 480
tctgaacat cttgcctctt tgcttgactc aaagcctcag gtctaagcct ccccataatt 540
tctagtctca gcagaaagat caatgacagg agactctcca ggtgatgaaa ttaaccaatt 600
aagtaacctg ggttggcatc ctcccgtttg ttcaccagct cacctcctgc cacagggtata 660
tcctttctct cagccatata tgcacaaacc ccctnccac ggcacacata gaagaatttg 720

cttggctcac tgcaacctcc acctcccagg ttcaagtgat tctcttgct cagcctccca 240
 agtagctagt attacagacg cctgccacca cgcccggta atttttgtac ttttagtaga 300
 gacaggtttc accatattgg ccaggctggt ctcaaactcc tgacctcagg tgatcctcct 360
 gcctcagcct cccaaagtgc tgggattaca ggcattgagct accacgtctg gcctaagtgc 420
 atgttaccta tactaacaaa accacacttc tgctcgaat gagaacagtc tctgaacat 480
 cttgcctctt tgcctgactc aaagcctcag gtctaagcct ncccataatt tctagtctca 540
 gcagaaagat caatgacagg agactctnca ggtgatgaaa ttaaccaatt aagtaacctg 600
 ggttggcac cctccgcttg ntcaccagnc tnacctnctg ncacaggnat atnctttnt 660
 ttnagccata tntgcacaaa cccctnccc acggnacaca tagaaaaant tnggnagact 720
 ngaaaattca ggncagggnt tagcncnccc ttgggggnnt ggnntntngg aacc 774

<210> 20
 <211> 914
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(914)
 <223> n is a, g, c, or t

<400> 20
 tggggntncc ggtatcgccg cttccgattc gcagcgcac gccttctatc gccttcttga 60
 cgagttcttc tgagcgggac tctgggggtc gaaatgagct agcccttaag taacgccatt 120
 ttgcaaggca tggaaaaata cataactgag aatagaaaag ttcagatcga ggtcaggaac 180
 agatggaaca gggtcgaccg gtcgaccggt cgaccctaga gaaccatcag atgtttccag 240
 ggtgccccaa ggacctgaaa tgaccctgtg ccttatttga actaaccaat cagttcgctt 300
 ctcgcttctg ttcgcgcgct tctgtcctcc gagctcaata aaagagccca caaccctca 360
 ctcggggcgc cagtctccg attgactgag tcgcccgggt acccgtgtat ccaataaacc 420
 ctcttgagct tgcacccgac ttgtggtctc gctgttctt gggaggggtc cctctgagtg 480
 attgactacc cgtcagcggg ggtctttcac tctctgtgta ctggtaccaa cagagcctgg 540
 accagggcct ccagttctc attcagtatt ataatggaga agagagagca aaaggaaaca 600
 ttcttgaacg attctccgca caacagttcc ctgacttgca ctctgaacta aacctgagct 660
 ctctggagct gggggactca gcttttgtat ttctgtgcca gcagcgtagg tggtagcttg 720
 aaacagttct tcnngggcag gggacncggc tnaccggggn aggtaagaag ggggcctcca 780
 ggtggggaan aaggggtgagc agnccanccc tgcacgaccc nnaaacntn ttcttagggg 840

gaggggnnca ctgggncatn ncagggccnt cntngnggaa nnggggtttg cgccnagggt 900
 cccaggggt gngc 914

<210> 21
 <211> 1604
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1604)
 <223> n is a, g, c, or t

<400> 21
 gngtggnatt gtgagcggat aacaatttca cacagnaatt cagtaaatgt tgatgtcaca 60
 ttgggggcag cagctctagc tacattcaac tctacctgaa aactggcttt tagtataagc 120
 catggatcca taacacatag gctagtttac aacaagtaat ttcagcattt ttggataatt 180
 acattccctc cgacaatttc taaggagcct gcatgatact gaactgtgtc agaaaatagg 240
 tgctacagtg aatatgtgat tctaatacagg cttttttact atggaattat agtaaaatgc 300
 actataatca actcatataa attgctctgt gcctatactt atctctaatag aagggaagca 360
 aattgcctta cctgaaatta taaaagaaaa tgattacaaa ggtatggaag tttataggca 420
 tcttataaga cctgatttta ttatgcatta tatagatggc aaaaaattcc tatttatcca 480
 gaatctaat gaccaggaag ctcaaataaa atgtgtttca tgggaatttg tttttatgtg 540
 ctgaattgca agatcctgaa gggctcttaa gatcatcaaa gaaacatgaa tgctcacaca 600
 actttagagc tgtaagaggt gtggagtcca catggcccaa cctgtccatt tgacagctgc 660
 gtgctgagcc caggggagag catggcttgc ccaatgaatt tgtgacaaag cgagacctgg 720
 rgnnaccttt cagtttccct yataccccac aaatgggtct ttgtgctcta ctaggkgnaa 780
 tggattaaa taccacagnc cttttgtgta ttctaantyc ttagaaattt cctaatttat 840
 gcatgggycc mcccctgcta aaatttcagc atacaccatg atatcttaga gctcccttcc 900
 cacttaatct tctctcttag cattttcacg atttaaaaaa atcatctgta ttccccatta 960
 gcaggcaaga ttctaagga caaataactt tttttctttt attcactgct gaatcaccta 1020
 gaacggtacc cagcaciaag tgagaggttg agaaatagtt gttgaatgaa aaaaaaatg 1080
 aatcgtttat gataatcctc aaatcccac actgcattat cagaataccc cattttttat 1140
 gtcacttatt tgacactttt ccagaacttc tgatgtgcc aaggctgagg 1200
 tgaaccacag agtaataggc ttattttatt cattcaggga gcttaattta aggtgatcct 1260
 attattgtaa cctcctaata caatgtcatc tcttatcagc ttaattctgc agactgtagc 1320

tatgtattac tccctgaagg aattatcttc accttcaacc tgaagttagg actcatgatt 1380
 cagcaatctg ctttctggga tcatacaagg gaaattgcaa tctttgtgct tgcttgccaa 1440
 agctgagaaa gatggagcag natcaaaata agcaggattt gccaggcaat tttgacatat 1500
 tcttcctctc acatataacc atcacaaagt aatgcatttc ataatgagaa ganccttgca 1560
 ctagaagcat acatagtatc acatgnctca tcttctngnt tctn 1604

<210> 22
 <211> 844
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(844)
 <223> n is a, g, c, or t

<400> 22
 ttggggancc gcttgccaaa cnttcagggtg gggctctttca agaggctctcc agacctaggg 60
 gagcatctca gcgtcactcg ctgtccagtt gctgtgatca ggtgcttttg ggtttgtgtg 120
 actccagaat ccaactgggccc tgtgtgtcag aagacaaaag ttaaccataa ggcacagaag 180
 aaagcctcct gctgaagcca tcgttggccc acatgcattt cagggacaag aaatgaagat 240
 cgggactttt caagttgtgc ccaggactca cctgctccca ggagacaaaa ggccacacag 300
 cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctgggtgc tctgtagtaa 360
 gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg tgatgtcacc 420
 aactgacat actttccctt gcaggccact ccagcccact gtactctttg gcaggcctca 480
 ggttctgcta ctccatgtac tattcctgtc ttgcacaggg cagaagctaa aggtgaggag 540
 ctgccctgac actgattccc cagcccttgc accccagccc cttcaccctc cactgcccg 660
 gcagcagcag agacactccc tccttgatgc aaactgaggg ctctggcacc cnactctttc 720
 agggcaatga tagtctgtgc ttaactctac atggccaggg cccactcagg gaattcttat 780
 gaaattatta ttttttnta tttctgggaa acaaagcgat gtatttattt ctgtttnggg 840
 gata 844

<210> 23
 <211> 1562
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)..(1562)

<223> n is a, g, c, or t

<400> 23

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ttttacanaa ctnncccccc tnaatcaaca gaatatacat tttnttnagc cccncaatac      60
acttatttcta aantgnccca cataatngga agtaaaccac tcagcaaata taaagancag      120
aaatcccanc aaactgtctc tcagaccaca gtgcaatcaa attagaactc aggggttaaga      180
atcacactca aaaccacaca actacatgga aactgaacaa cctgctcctg aatgactact      240
gggtaaataa tgaaatgaag gcagaaataa acacgttctt tgaaaccaac tagaaciaag      300
acacaatgta ccagaatctc tgggacacat ttaaagcagt gtgtagaggg aaatttatag      360
cactaaatgc ccacaagaga aagcaggaga gatctaaaat cgacatccta acatcacaat      420
taaaagaact agagaagcaa gagcaaacat attcaaaagc tagcagaaga cgagaaataa      480
ctaagatcag agcagaactg aaggagatag agacacaaaa aaaaccttca aaaattaatg      540
aatgcaggag ctgggtttttt gaaaagatca acaaaatagc cctctagcaa gactaataaa      600
ggataaaaga gggaagaatc aaatagatgc aataaaaatg ataaagggga tatcaccacc      660
aatcccmcmg aaatacaaac taccmtcaga gaatactata aacmcctgta tgcaataaaa      720
ctagaaaatc tagaagaagc agataaattc ctggacacat acaacctccc aagactaaac      780
caggaagaag ttgaatctct gaatagacca ataatagggt ctgaaattga ggcaataatt      840
aatagcctac caaccaaraa aagtcgagga ccagatggat tcacagccgt attctaccag      900
aggtacaaag aggagctggt accattcctt ctgaaactat tctgatcaat gagaaaaaag      960
ggaatcctcc ctaactcatt tatgaggcta gcatcatcct gataccaaag cctggcagag     1020
acacaacaaa aaaagaaaat ttcaggccaa tatccctgat gaacattgat gtgaaaatcc     1080
tcaatacaat actggcfaat caaaaagctt atccaccacg atcaagtcag cttcatcgct     1140
gggatgcaag tctggttcaa catatgcaaa tcaataaaca aaatccatca cataaacaga     1200
accaatgaca aaaaccacat gattatctca atagatgcag aaaaggcctt caacaatatt     1260
caacagcctt tcatgctaaa aactctcaat aaactagata ttgatggaac atatctcaac     1320
ataataagag ctatttatga caaaccata gccaatatca tactgaatgg gcaaaaactg     1380
gaagcattcc ctttgaaaac cagcacaaga caaggatgcc ctctttcacc acttcgatcc     1440
aacctagtat tggaagttct ggccagggcc atcaagcaag agaaagcaat aaggggtatt     1500
caagtaggaa gagaggggnt ttctgtgtga aaangttanc cgctgggnan ccccaanan     1560
aa

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<210> 24

<211> 1446

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1446)
 <223> n is a, g, c, or t

<400> 24
 ttggtactgt cagaccaagt ttactcatat cggatccgag gagcaggcgg gcctgaggcc 60
 gagtcagctg cgcgggcccc cggatcctgg gctgtcatgt aacatcttcc aataaatgtg 120
 atcttggggag gagaccattt tgggccttgg tttccacatc tgcgaaatgt tattatagcc 180
 atgaacactt actgaaagct taccatcatat gccagacaca tcttccaatc aacttatgtg 240
 agttatctca ttttaattttc acaacaatac aaagtagcgg ggaaaacttc tggcttctct 300
 tgaaaactca gaaaatctaa caatgttgag tatgagtcca aaatgtcagc aagaagccag 360
 agctgaatag ggaaggctgt tttagatgag accattagcc acagacctca ccactcttct 420
 tactgtgcta cttatttctt ttatagtacc tgagtgggtc ctgctgcgtg tgggtttgtg 480
 gccctgcat tagatggncc ttnatnatc ctcttcaccc ctgagctttg atgttttttg 540
 ctccatgtca cttcaccag agtggtcagg ccattcttca atattcwkac ctrggcaaaa 600
 ggtgcatgac tttgaactcc cctagttaag ttaaggcttc takaawgaac angannangc 660
 tttgggagct gaggaagggt gctcactgtg cccataaaa tagagtttca atagacactg 720
 ggtcctctgt ggctgacct cccctgtgtc agcaacttga gtctcacttg aatggggaaa 780
 gaaagtawtg arangaaakg aacwwkgaam ytcwgaaaca ngacctcttm akanswarcn 840
 aggrccctms tagtctanyt wrggtaaagc caagtgtgac cctaaggcaa gttacttaac 900
 ctctgcgtct cagtttcttc atctataagt taatgacaac ctctacccca taaggagct 960
 tgaaagaaaa tccaaaaaag aaagaatctc tttgagttgc taatgactct taagtttctg 1020
 gttctagtcc tttgaccatc atgacagtcc tatggtttta cgaaagaact atccatctct 1080
 atttaaaaaa caaaaaaacac aaagaccttt tttgcttaag ctaacttggt tgggtttca 1140
 tccaccagga agttagagag agaaattact tagagataaa cttacacatt acaaatcctt 1200
 ctgttctgtg tgcttttaaa aatgttcaat ttctaaatgg gcctctggtg aagataatga 1260
 tcacctcatt gatttgttcc caggagaaca gggtaaaatg aagtcctgct gatcacattt 1320
 tctaaatctt ttantccca ttgctttggg aaagtttcta caccagtnat cctnttacag 1380
 cctccctctt tcccatggtt cnttctctgc accaccagga aaggaggaat cccanancag 1440
 tcttgc 1446

<210> 25
 <211> 840
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(840)
 <223> n is a, g, c, or t

<400> 25
 ggaattgnaa gcggntaaca atttcacaca gnaattctta ttatggtaag ttcctgagat 60
 ttgagatggg ttgttatata acaggggaact gataggctta ttcttcaaga ggagcaaaac 120
 agggatgatt gctattctct tcaatggggt gaggaagaa gaaattatgt gaacatttat 180
 acactaataa tttattctgt catatttcag tcagattaaa gcaaacagcc aaaaacaagg 240
 acaaagtcca aggtaagaga ctgatgataa gtggcctgtt tacaaggaaa ataagatcac 300
 tagctctact tacagctgat tcagaataac ttcattttta aagcctaaaa ttttacagtc 360
 aagctcttga gtgcaatttc cttaacattt tctaaaccat acagaaaatc ataaagaaac 420
 aatatttctt tgtttgagtt tccttttttag gagttaggtc ttatttttaa aatattttct 480
 agcctgttta ggctcttatt taaaattatc tacttttctc aaagtcttct tcatacttga 540
 gatatccaaa atattgaatg agtgatgtaa actataccag ataaactatg agtctatatt 600
 tttaccctga ttcagtcagt ttccaaggag aactttgaac aactaaaaat gtgtattact 660
 ataatctctc tgaaatattn ctnattaatt ttttgggggn aaaatgagtc attctgagcc 720
 aaaaaaaaaa anggtnacca gacantttcc actnctaact tgnntgggcg attncagcag 780
 attcaanttc cagcatnggn agatncggna gatnnnggnc ctaccatgan cttaccttcc 840

<210> 26
 <211> 861
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(861)
 <223> n is a, g, c, or t

<400> 26
 ttttnctcct aacttgagtt ggcgatatca gcagattcaa attaccagca atgggaagat 60
 acaggaagat gtaggtacct accaatgagc ttaccttccc agtgctctat ataacctcac 120
 ttctatagcc caaagtatta aaaagaagaa aaaataataa ttcaggctta ctatttaaaa 180
 atacagtgat tctggccggg cacggtgggt cacgactgca atcccagcac tttgggaggc 240

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cgaggcgggt ggatcacgtg aggccaggag tttgagacca gcctggccaa tgtggtgaaa      300
ccctgtctcc actaaaaata caaaaattag ctgggcatgg tggcgggccc ctgtaatccc      360
agctactcgg gaggttgaga tgggagaatt gcttggaccc aggaggcaga gcttgacgtg      420
agccaagatt gcaccactgc attccaccct ggggtgacaga gtgagaccct gtctcaaaaa      480
acaaataaaaa atacagtgat tctgagaggg cttccctttc cacaccacct cctacttggt      540
tgatagctct catcccattt tcctcaactg ccacatatgg ccaggacttc cacagtgtat      600
taaacatctt ctttggacaa gagaaatttc actgaagcaa tgagtgtaga agttattagc      660
atgaattgaa gactgatgct ggcacacaaa tagggagaca catcaatata atgacctaat      720
gaatctagaa atagcttcan gaantntgga aaagtagatg tgataaaagn tgcatttnaa      780
tcannagca aagtnttaat anaattgaga cacctatgtn gctattngga aacattaang      840
tnggntgcat antngaaact t                                              861

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<210> 27
<211> 875
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(875)
<223> n is a, g, c, or t

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<400> 27
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actccagaat ccactgggcc tgtgtgtcag aagacaaaag ttaaccataa ggcacagaag      180
aaagcctcct gctgaagcca tcgttgccc acatgcattt cagggacaag aaannnagat      240
cggagacttt caagttgtgc ccaggactca cctgctccca ggagacaaaa ggccacacag      300
cagaggagcc tgaagcccat ggcaggatct cctagcttgg ggctggtgtc tctgtagtaa      360
gcattctgaa gttcctaagc tcccttcttc ctgataggag cattgacctg tgatgtcacc      420
aactgacat actttccct gcaggccact ccagcccact gtactctttg gcaggcctca      480
ggttctgcta ctccatgtac tattcctgtc ttgcacaggc cagaagctaa aggtgaggag      540
gactgaacac agtaccaaca taccacatc acaccttact ttcctctgcc cgccctgtcc      600
ctgccctgac actgattccc cagcccttgc caccacagcc ccttcacct ccactgccc      660
tgcagcagca gagacactcc ctccttgatg caaactgagg cctctggcac cccaactctt      720
tcagggaat gatagtctgt gcttaactct acatggccag gcccaccctc aggggaattct      780

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aatatgaatg taaactncag gtgttgncag ctagtgcttc cntggaaaan ccctgttnc 840
agctnctaca catgctctta tctntagctn ganca 875

<210> 28
<211> 901
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(901)
<223> n is a, g, c, or t

<400> 28
ctncttctng gnggtnnnnn nactatntan nnnnategnc tenacantnn nttncnnggg 60
aaaaacctct gtctaacctt acatgaaaaa acccgtttcc aacgaaggcc tctaagaggc 120
caagatatcc acttgacagac ttacaaaaca gagtgtttcc aaactgctga atgaaaagaa 180
aagttaaact ctgtgagttg aacgcacaca tcacagagca gtttctgaga atgattctgt 240
cgggttttta tacgaagata ttcccttttc tgcctttggc ctcaaagcgc ttgaagtctc 300
cacttgcaaa ttgcagaaaa agagtgtttc gaatctgctc tgtctaaaag aaggttcaac 360
tctgtcagtt gaatacacac aacacaagga agttactgag atttcttctg tctagcctta 420
catgaaaaaa acccgtttcc aacgaaggcc tcaaagaggt caaaatatcc acgtgcagac 480
tttccaaaca gagtgtttcc aaactgctga atgaaaagaa aagttaaact ctgtgagttg 540
aacgcacaca tcccagagca gtttctgaga aagattctgt ctagttttta taggaaaata 600
tttccctttc tgcttttggc ctcaaagtgc ttgaaatctc cacttgcaaa ttccacaaaa 660
agagtgtttc aaatctgctc tgtctaaagg aaggttgaac tctgtgagtt gcatacacac 720
aacacaaaga agttactgag aaatcttctg tctagcataa tatgaagaaa tcccgtttcc 780
acgaaggcct caagaggnc ctaatncact ggcaggcttn caacagagtg ttntactgc 840
tctgtgaaag aangntaact ttgnngttga ccaccatnan aagnnttttg naanatttgn 900
n 901

<210> 29
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(856)
<223> n is a, g, c, or t

<400> 29

```

cntttggngg tttaaaangg gcnganatat gcttnacatc nattgggggn aaacctcttg      60
cgtgagtatt caagaaccct ctcttgggat ctggatcggg acccctttcc tgtaacatat      120
gcaaggaaaag aaatgcagag gaatggaact gagccatgga acagacattt ggggttgggc      180
aggaggagtt agcagagaga tctgcatagc tcttatecta cttagcacta gtgctgttca      240
aggtagaact cacagcataa gaattctagc atctgcataa atttggagag caacttgcct      300
tctccttaga tacacgaata tggaaaatgc aatagaagtt gcttatcatg cactcaggtt      360
gagtgaagtt ttatcataat gaagctaaat gaaattccca aattgctctg gtggagagga      420
acgccttgat attccacttg tggaaaaatg gctctatgcc aaaaataaag ttacatcaac      480
ctcagtacag gagaaatcag agtttctgct cacagcagca gcagaggaat catctgcaac      540
acagagactt ttgggttgta tgtaaggcag ccttgctgga tggctcttaa cagggttttg      600
gtagggacat ggtagaggct ggctcctaaa ctcttcaaac gtttcttccc agccctttag      660
ctttgacctc acgtgcagag ttgagttaat tataagcctt atttatgggc acactttcac      720
cattaagttc atacacagcc ccatttttgt gccattcttc actcctatgt ccttttctcc      780
cctaagcaac catgtaaaca tgtagagng gngagcgtg cacacnccat acacacacat      840
tcatttacac atgatt

```

856

<210> 30

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(890)

<223> n is a, g, c, or t

<400> 30

```

cnnnttctgg gggngtannn aactaannna nntnaatncc ncccaatnnn ttcggggggg      60
aaaancccca gnactccata attcncaagn atcacatgna tcacaggaga ggagactggg      120
ggagtcaatg gatagaggat ttataagcca agaaaaaaaa atggagcccc aaactgtgaa      180
atccaagaag ggggtcatgt gaacccaat ttatagccag tttttcagaa gaataagtga      240
caacctacta cttgtgattg gcacttgaag tgggaggcag tcgtgaggga gttaatatgt      300
gggaactaac cctactctag gtagtggtga attgaatcaa atcataggac atctagttgg      360
tgtttgctgg aaaactgggt gttggtggag tgaaaccctt acatattttg gtgatcagag      420
gtgaagtgtt gtgttaagtg gtatgagact gggaaaaaca ctttggtttt tcctgtctct      480
cacagaatta aagtttccaa gagaagcatc agaagagtgg aagggtggga ccagcaaacc      540

```

acaagcccta ggccccaaac tagggtcaag tggaaaagca gggataata gtgaaatggc 600
 cctcctctcc acttctgcag ctccagtgac gctgttccta ctcatgtgca cactggaatg 660
 gttgcaggat gaacacgac ctctggaaat ggagacatct tctgaaggta gaggaaactg 720
 cagtcttccg gcccccgacc gccactcgca gaggttgga atgtcagcct nctccaaccc 780
 antctttnt atgggatttt ccttactttg gggggggact gnaatgntac ctatcttttt 840
 ttacaantt gggggggntc cnccttactt anngaccng ntnnccnng 890

<210> 31
 <211> 732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(732)
 <223> n is a, g, c, or t

<400> 31
 attcttttgg gnaccgtcag naccaagttt tactcatatc ggcatcctct ctcggtggct 60
 gctgcagcgg ggctgggtgtg ctgcaaccgg gacggagctg agtgagggggc acaatggcag 120
 caacctgcag gcaccaaaga gcccccaaga gctgctcagc ggtgcctgat caaagtttgt 180
 ctgggccagt gcttgtgcat tgtgtacgct gtgcgacaac caggaaggag agctggggtt 240
 tgccatcctc caacgcttct taaataggaa actttttggg tagcacctgg cctagtctct 300
 ggaacacaga aggtgctgag tgatgttagt ttcattcgct catcttgtct cttgggcatg 360
 gaaaagagtt tacaagtgtc ctttcattat ccatcttgat gtgggaagggt ggggcagggg 420
 aagatgagta cccgctctcg ccctttgggtg tgatgtttgt gacgtacatg aggcattgtg 480
 gagagtggat cacagcattg gacagactgg atcccttctg gtccacatc actcaggcaa 540
 ctctctcttc ccacctgcc cccaaactcc cttncacctc cctccacatg tatectcca 600
 cttnttcca ctcatgtaat gagaggtgct gatgagtcac aggaagaggt agccctagat 660
 aaccaacaga ctgcaaaaac ggacagtncc ntggatgtct gagccagtgt ttngngcact 720
 gcattgactg gc 732

<210> 32
 <211> 672
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)..(672)

<223> n is a, g, c, or t

<400> 32

```

tttgnaacc gtcagaccaa gtttactcat atcggatccc aggagacacg ctccaagggc      60
tgggtgggaa aagccccaga aaggggaggg ctgcggggag tgagaatcgg gatggacctc    120
acagacgaca aacagatgga caaaaagctt ctctccctgc cgctccctcc ccgccaccaa    180
ctccagcccc tctgtctcca tcccccttct ctgtctgtcc tgtctgaatc tctgaatctc    240
tgctgttttn tttttctctc tatgaatcac agcgtttcag agcctctgag agaaaaatgg    300
gaaaagaaga cagagatgat agaaaatgca gagtgtgctg gtgtgtgtgt gtgtgtgcat    360
gtgtatgcgc gcgtgtgtgt gtgtgtctgt gcatgcgtgc acccagcatg aagtctggtc    420
tggagaatgt aactagggag ggaggaagag aggggacgag agaagcagag gatgaacaaa    480
gagactttcg aagctcatag gaaaaagcct gggaggcaac agcagcaggg acacgcatat    540
gccgcacacc cctacacaca ccacacacca cacaccacac acaccctgca tgcaccctgg    600
agacatgcc cagactccag gcgggagggg tggagcaggg ggtgtgaaat atggttggtt    660
gggttggtt tg

```

<210> 33

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(770)

<223> n is a, g, c, or t

<400> 33

```

nttttgnant gtnccgcnt aacaatttca cacagnaatt cattttaacg ttgtacatat      60
ttattataca agaaatattt tttccatcaa aaagtactca ttcaaaaaat atttaattcta    120
gaatagagat tataaatttt taacttaatt ttattttttt cttaaggaaa actctaagat    180
atcattacca ttttcaaaac tgtcaagtag tggatgaatga cacttcttat atgttaattt    240
ttaaaagaat atttctaaca cacattctta atggagaatt atatcttata cagaatgata    300
cattctaagg gtgatgttta tgaaagaaat ttaagcttgg ttaacatgct tagtaaaatt    360
ttttaatata aataaaattc agagtatatg gtgtgaagtg agttatatgg tgcaaatact    420
attttaattc ttgaacactt ccacaaaatt agcttgtaaa ataaaattaa acccacactg    480
agatgctaga ttgcagatg aatcattcat ttttttacat ttctttttat ttctctaact    540
aaatttatatg acagaaggca agggatcatg ttaattcatt gttgtattct ttatatatta    600

```

aatataagct cctcaataaa tattatggaa aaaatgaaca aacacttcac attttattgt 660
 tttctatatt tttcaagggt tttattaatt cttcatgtgc tttgtgactt tttttctcc 720
 aaagaaattc ttcttgaaat gaaaagttca caanagttag gataactgga 770

<210> 34
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(777)
 <223> n is a, g, c, or t

<400> 34
 ntnttgnatt gtngcgcggn taacaatttt cacacagnaa ttcttttgtc aagaattata 60
 agaagaaatc ccgtttccaa cgaaggcctc aaagagttcc aaatatccac ttgcacactg 120
 cacaaactaa gtctttccaa actgctctat gcaaagaaat gttcaactct gtgagtttaa 180
 tacacacatc acaaagcagt ttctgagaat gatactgtct agtttttata cgaagatatt 240
 tccttttgta ccattggcct catactgcta gaattttcca cttgcaaatt ccacaaaaag 300
 agtgtttcca atccgctctg tctaaaggaa ggttcaactc tctgatttga atacatacat 360
 caatataaaa cgtagattgt cacttcaaga aaatacctgc cttatacaga actaagtggc 480
 tgtttcaagt aaaaatgggt ttccatgaaa aagctgctag ttcagctggc aactcaaaca 540
 atggcacaag tgccttatgc cattttctatt ttatcacaca tattaaaaac ctggccagca 600
 cggtggtca tgcctgtaat tccagcattt tggnaaggcc gaggcaggtg gatcatttga 660
 ggccagnagt tcaagacang cctggccaac atagcaaaac ccccatTTTT actaaaatac 720
 aaaattagcc aggcntgggg gcgcgtgcct gtantccnnc ttctcgggag gctgagg 777

<210> 35
 <211> 799
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(799)
 <223> n is a, g, c, or t

<400> 35
 tnnttttggg gtganccggg ntaacaattt tacacaggaa ttctagggtt ggttcatggt 60
 ttgagacttg agagtggaca ggtgcctagt tagacctgct ctggatgtgg aggtgtctgg 120

tgattagaat gactctttgt atatctgttc cctctttaat tgcttccttt taacctcaag 180
 attaggcttt tattgcataa taaaatgcat atgagccatt cagttttact ccattacctc 240
 tctggcttag aatgaactat cagtagaatt aacaaaaaatt gcatcataga gttggagaat 300
 tgccaccaag gaagtgttct agccatacta cagaaaagat tctccccatg ggattacttc 360
 tcagtagaat tcagcaacca attcctgggtg aatctatcca agcagagaaa tgaaaacata 420
 tattcactaa aagacttgaa cacaaatgct catagcagcc ttaatcaaaa tagagaaaaa 480
 ctggaaacat ttcaaatgtc tatcaactga tcaatatata agcaaaatat ataaagcatt 540
 tgcagacaat aaaaaacaaa atattgatat atactaaaac atggnatgaa cctcaaagcc 600
 actatactag atgagagatg tcagacacaa acctactgta tttgcaagat gccatttact 660
 tgaaaaatcc agaaaagtcg catttacaga gacagtaaaa cagataagtg ggctgcctgc 720
 ggctgggggg ttgnaaaagc nattttgctg caaatgaact tanggaaatt ttttttgngg 780
 gggggnggat anaaaattn 799

<210> 36
 <211> 417
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(417)
 <223> n is a, g, c, or t

<400> 36
 ancttggtaa ctgtcagnac caagatttac tcatatcgga tccccaggaa tactattctt 60
 taaagactat caatattcta caaagggaaa ttagagttct caattgtgaa cggaaaggaa 120
 catcaatggg catgacctaa gacctcttc tacacagtta aacaacaatt tcacaagata 180
 tgatttaaga gaaagctttc agggacgcct gggtggtca gtggttgagc gtctgccttc 240
 cgctcagggg gtgatcctgg agttccggga ctgagtcctc atggggctcc ctgcatggag 300
 cctgcttctc cctctgccta tgtctctgcc tctctctgtg tctcatgaat aaataaataa 360
 agnncattatt ttttttaaga ttntatttat ttatncatga nagagagaga gaggcng 417

<210> 37
 <211> 434
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(434)

<223> n is a, g, c, or t

<400> 37

tggttaactcg tcagnaccaa gatttactca tateggcatc cccaggaata ctattcttta	60
aagactatca atattctaca aagggaaatt agagttctca attgtgaacg gaaaggaaca	120
tcaatgggca tgacctaga cctccttcta cacagttaaa caacaatttc acaagatatg	180
atttaagaga aagctttcag ggacgcctgg gtggctcagt ggttgagcgt ctgccttccg	240
ctcagggtgt gatcctggag ttccgggact gaggccaca tggggctccc tgcattggagc	300
ctgcttctcc ctctgcctat gtctctgcct ctctctgtgt ctcatgaata aataaataaa	360
gtccttattt tttttaagat tttatttatt tattcatgag agagagagag agncngngnc	420
ntnggcngng ggng	434

<210> 38

<211> 1425

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(1425)

<223> n is a, g, c, or t

<400> 38

cnggncggng angattntng tcgnnaccca tggcgaatgc ctggctngcc gaatattcat	60
ggtggaaaat ggcnngcttt tctggattca tcgnactgtg nccggctggg tgtggcggac	120
ccgctatnca gnacatagcg ttgggctacc cngtgataat gctgaagagc ttggcggncg	180
aatgggctga ccgcttcttc gtgskkkanc ggtatcgccg ctcyccgatt cgcagcgcac	240
cgccttctat cgccttcttg acgagttctt ctgagcggga ctntctgggt tcgaaatgag	300
ctagccctta agtaacgcca ttttgcaagg catggaaaaa tacataactg agaatagaaa	360
agttcatctc tgctgtcttt ggccattctc tctaggcatc tgctcatgtg gaggcataag	420
aaaatattga catgcttcac attacatttt cagagtatgt tattcatgta atttatttgt	480
aaaatctacc aatacaattt ccccccaatc aagtaaaact aggtaaaaag atctctgcaa	540
agattagctg aggaagaaac atatgtgagt agaatacagaa tgtaagagc tgacaggtta	600
gcagatagca tgcccatgat ttttgtgggt ttggcccctt tgttgaagct aaatcttaca	660
gagaggccca accctagagg taaaatgatt aaaacagatg tgctgcagtt ggcggggagg	720
gtgctgcgcc aggggaagcc caagactgct gctggctgcc ttccctcttg aytctatccc	780
atgtctcatt tgaaaaccaa tagttgaaaa actctcaatt ttcagatgag aacgaaaaca	840
aaaatgcaaa gaaggcaa at gattcaytca aarwtactca gtgaatkrga sccawsatgt	900

```

gggaatacaa ctctggcctt ctgtttctga atctagtggg atttccaggc tcacaggaag      960
cttcctgtac cttgctccac tgtgtgtgtt tttggatggc cctgggtgttt gattacctyt    1020
cgtggcaggc ccaacagccc ttgctaaggc acagactgca tatttgctga tccctgaggn      1080
ggaaagctgt gattcagact ttgaggtcta agaattgcag acttagtttc tagtctcccg     1140
atgaaactgc taatctgggt gccagtgggt tttctgctac acggacacct gcccacacag      1200
catgattaga aattataatg atgacggcga tgagtcttcc aggacaccta cgttcttttg      1260
aagatatttc tgctaactgt ctctaccaga atcagttgga gaactttttt tagttttttt      1320
tttttttttt taatttcccc ctttctaagt caagtaaaaa tactagttta attnctgggtg     1380
tagggtaatg atttgcctc accattactg atgtgtcatt ttttg                        1425

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```

<210> 39
<211> 674
<212> DNA
<213> Canis familiaris

```

```

<220>
<221> misc_feature
<222> (1)..(674)
<223> n is a, g, c, or t

```

```

<400> 39
caaaaaatga cacatcagta atggtgagga caaatcatta ccctacacca gnaattaaac      60
tagtattttt acttgactta gaaaggggga aattaaanaa aaaaaaaaaa aactaaaaaa     120
agttctccaa ctgattctgg tagagacgat tagcagaaat atcttgcaaa gaacgtaggt      180
gtcctggaag actcatcgcc gtcattatta taatttctaa tcatgctgtg tgggcaggtg      240
tccgtgtagc agaaacacca ctggcaccca gattagcagt ttcattcgga gactagaaac      300
taagtctgca attcttagac ctcaaagtct gaatcacagc tttccctca gggatcagca      360
aatatgcagt ctgtgcctta gcaagggctg ttgggcctgc cagagaggt aatcaaacac      420
cagggccatc caaaaacaca cacagtggag caaggtacag gaagcttctt gtgagcctgg      480
aaataccact agattcagaa acagaaggcc agagttgtat tcccacatga tggctctaata     540
tactgagta actttgaatg aatcatttgc cttctttgca tttttgtttt cgttctcatt      600
tgaaaattga gagtttttca actattgggt ttcaaagtag acatgggata agatcaggag      660
ggaaggcagc cagc                                                         674

```

```

<210> 40
<211> 666
<212> DNA
<213> Canis familiaris

```


<220>

<221> misc_feature

<222> (1)..(666)

<223> n is a, g, c, or t

<400> 40

```

cccatgagca aaaaatgaca catcagtaat ggtgaggaca aatcattacc ctacaccagn      60
aattaaacta gtatTTTTac ttgacttaga aaggggggaaa ttaaaaaaaaa aaaaaaaaaa    120
ctaaaaaaaaag ttctccaact gattctggta gagacgatta gcagaaatat cttgcaaaga    180
acgtaggtgt cctggaagac tcatcgccgt catcattata atttctaate atgctgtgtg     240
ggcaggtgtc cgtgtagcag aaacaccact ggcaccaga ttagcagttt catcgggaga      300
ctagaaacta agtctgcaat tcttagacct caaagtctga atcacagctt tccctcagg      360
gatcagcaaa tatgcagtct gtgccttagc aagggtgtgt ggcctgccg cgagaggtaa     420
tcaaacacca gggccatcca aaacacaca cagtggagca aggtacagga agcttcctgt      480
gagcctggaa ataccactag attcagaaac agaaggccag agttgtattc ccacatgatg     540
gctctaattc actgagtaac tttgaatgaa tcatttgcct tctttgcatt tttgttttcg     600
ttctcatctg aaaattgaga gtttttcaac tattggtttt caaatgagac atgggataag     660
atcagg

```

666

<210> 41

<211> 603

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(603)

<223> n is a, g, c, or t

<400> 41

```

cccatgagca aaaaatgaca catcagtaat ggtgaggaca aatcattacc ctacaccaga      60
attaaactag tatttttact tgacttagaa aggggggaaat taaaaaaaaa aaaaaaaaac    120
taaaaaaagt tctccaactg attctggtag agacgattag cagaaatate ttgcaaagaa    180
cgtaggtgtc ctggaagact catcgccgtc atcattataa tttctaata tgctgtgtgg     240
gcaggtgtcc gtgtagcaga aacaccactg gcaccagat tagcagtttc atcgggagac      300
tagaaactaa gtctgcaatt ctagacctc aaagtctgaa tcacagcttt cccctcaggg      360
atcagcaaat atgcagtctg tgccttagca agggctgttg ggcctgccac gagaggtaat     420
caaacaccag ggccatccaa aaacacacac agtggagcaa ggtacaggaa gcttcctgtg     480

```

480

agcctggaaa taccactaga ttcagaaaca gaaggccaga gttgtattcc cacatgatgg 540
 ctctaattca ctgagtaact ttgaatgaat catttgcctt ctttgcattt ttgttttcgt 600
 tct 603

<210> 42
 <211> 749
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(749)
 <223> n is a, g, c, or t

<400> 42
 ggtnactgtg cgnaccagtt tactncatat ncggntnccc atgagcaaaa aatgacacat 60
 cagtaatggt gaggacaaat cattacccta caccagnaat taaactagta tttttacttg 120
 acttagaaag ggggaaatta aaaaaaaaaa aaaaaaacta aaaaaagttc tccaactgat 180
 tctggtagag acgattagca gaaatatctt gcaaagaacg taggtgtcct ggaagactca 240
 tcgccgtcat cattataatt tctaatacatg ctgtgtgggc aggtgtccgt gtagcagaaa 300
 caccactggc acccagatta gcagtttcat cgggagacta gaaactaagt ctgcaattct 360
 tagacctcaa agtctgaatc acagctttcc cctcagggat cagcaaatat gcagtctgtg 420
 ccttagcaag ggctgttggg cctgccacga gaggtaatca aacaccaggg ccatccaaaa 480
 acacacacag tggagcaagg tacaggaagc ttctgtgag cctggaaata ccactagatt 540
 cagaaacaga aggccagagt tgtattccca catgatggct ctaattcact gagtaacttt 600
 gaatgaatca tttgccttct ttgcattttt gttttcgttc tcatctgaaa attgagagtt 660
 tttcaactat tggttttcaa atgagacatg ggataagatc aggaggggaag gcagccagca 720
 gcagtcttgg gcttcccctg gcgcagcac 749

<210> 43
 <211> 1778
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(1778)
 <223> n is a, g, c, or t

<400> 43
 gkggtagnn rcggtaaaca atttncacac agcaattncc cctgtgnaaa ctgccttgac 60
 ttggtgcctt ttttgagggt gtggagttgt ttccactttg acaaattttt atatttctcc 120

```

catcctaatt ggactaattt gcttttatat ctcttctgtg gttattttgt taatcgtatt 180
ttaggaaagt cacctatttc aaattgattt gcatggagct aaataatttc ttccaatttt 240
ttcatttcct ttgtgtttat ggttatttct acattattag tgaaagtttt gtgggtttgt 300
gttttagttc tctatctcct cttttgatta gtttcacaga gtttagttgt tattttttca 360
gaaaacagct cttgcactta tttatcggct ctactgttct taatttgctc ctaaaaattg 420
tcaataatat gtttcttttg ctttgcccg gctcattttg ttgtttttct aattgtttga 480
gcttgactct taattcatct atttttgttt ctgctttttt gttaatgtaa atttaaaaaa 540
tgcgagatcc aattagaata agcctcaccg gacaagaacc tgtctgtgca cttcgagact 600
accataatgc ctatcacata gcagggtgctt aagcaaaatt tttgtatgaa taaataaacc 660
cctatgaaat aattatggga tttgtgtgac agccctcggt cttctctgct gtctttggsc 720
aytctctcta ggcatctgct catgtggagg cataagaaaa tattgacatg cttcacatta 780
cattttcaga gtatgttatt catgtattta tttgtaaaat ctaccaatac aatttcccc 840
caatcaagta aaactaggta aaaagatctc tgcaaagatt agctgaggaa gaaacatatg 900
tgagtaraat caraatgtta agagctrmca gggtarcaga tagcatgccc atgatttttg 960
tgggkttggc ccctttgttg aagctaaatc ttacagagag gcccaaccct agaggtaaaa 1020
tgattaaaac agatgtgctg cagttggcgg ggagggtgct gcgccarggg aagncccaag 1080
actgctgctg gctgccttcc ctcctgac cttatcccatg tctcatttga aaaccaatag 1140
ttgaaaaact ctcaattttc agatgagaac gaaaacaaaa atgcaaagaa ggcaaatgat 1200
tcattcaaag ttactcagt gattagagcc atcatgtggg aatacaactc tggccttctg 1260
tttctgaatc tagtgggtatt tccaggctca caggaagctt cctgtacctt gctccactgt 1320
gtgtgttttt ggatggccct ggtgtttgat tacctctcgt ggcaggccca acagcccttg 1380
ctaaggcaca gactgcatat ttgctgatcc ctgaggggaa agctgtgatt cagactttga 1440
ggctcaagaa ttgcagactt agtttctagt ctcccgatga aactgctaatt ctgggtgcca 1500
gtgggtgtttc tgetacacgg acacctgccc acacagcatg attagaaatt ataattgatga 1560
cggcgatgag tcttccagra cacctacgtt ctttgcaaga wtttctgct aatcgnntnc 1620
tctaccagaa tcagttggag aacttttttt agtttttttt tttttttttt aatttcccc 1680
tttctaagtc aagtaaaaaat actagtttaa ttctgggtgta gggtaaatgat ttgtcctcac 1740
cattacttga aagacccccc ctgtaggttg gcaagcgg 1778

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<210> 44
 <211> 868
 <212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(868)

<223> n is a, g, c, or t

<400> 44

ttcctgagac ngcttgccaa acctacaggt ggggtctttc aagtaatggt gaggacaaat	60
cattacccta caccagaatt aaactagtagt ttttacttga cttagaaagg gggaaattaa	120
aaaaaaaaa aaaaaactaa aaaaagttct ccaactgatt ctggtagaga cgattagcag	180
aaatatcttg caaagaacgt aggtgtcctg gaagactcat cgccgtcatc attataattt	240
ctaactcatgc tgtgtgggca ggtgtccgtg tagcagaaac accactggca cccagattag	300
cagtttcatc gggagactag aaactaagtc tgcaattctt agacctcaaa gtctgaatca	360
cagctttccc ctcagggatc agcaaataatg cagtctgtgc cttagcaagg gctgttgggc	420
ctgccacgag aggtaatcaa acaccagggc catccaaaaa cacacacagt ggagcaaggt	480
acaggaagct tctgtgagc ctggaaatac cactagattc agaaacagaa ggccagagtt	540
gtattcccac atgatggctc taattcactg agtaactttg aatgaatcat ttgccttctt	600
tgcatttttg ttttcgttct catctgaaaa ttgagagttt ttcaactatt ggttttcaaa	660
tgagacatgg gataagatca ggaggggaagg cagccagcag cagtcttggg cttccctggc	720
gcagcaccnt cccgccaact gcagcacatc tgtttaatca tttaacctct aggntggggc	780
tttctgtaag atttagcttn acaangggcc aaacccaaaa aatcatgggc atgcttctgc	840
tacctgncan tntaacattt gattntac	868

<210> 45

<211> 1237

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(1237)

<223> n is a, g, c, or t

<400> 45

ggtatcgccg ctcccgattc gcaccgcac gccttctatc gccttcttga cgagttcttc	60
tgagcgggac tctgggggttc gaaatgagct agcccttaag taacgccatt ttgcaaggca	120
tggaaaaata cataactgag aatagaaaag ttcatctctg ctgtctttgg ccattctctc	180
taggcactctg ctcatgtgga ggcataagaa aatattgaca tgcttcacat tacattttca	240
gagtatgtta ttcatgtatt tatttgtaaa atctaccaat acaatttccc cccaatcaag	300

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taaaactagg taaaaagatc tctgcaaaga ttagctgagg aagaaacata tgtgagtaga      360
atcagaatgt taagagctga caggtttagca gatagcatgc ccatgatttt tgtggggttg      420
gcccccttgt tgaagctaaa tcttacagag aggcccaacc ctagaggtaa aatgattaaa      480
acagatgtgc tgcagttggc ggggaggggtg ctgcgccagg ggaagcccaa gactgctgct      540
ggctgccttc cctcctgac ttatcccat gtctcatttg aaaaaccaat agttgaaaaa      600
ctctcaattt tcagatgaga acgaaaacaa aaatgcaaag aaggcaaattg attcattcaa      660
agttactcag tgaattagag ccatcatgtg ggaatacaac tctggccttc tgtttctgaa      720
tctagtggta tttccagggt cacaggaagc ttctgtacc ttgctccact gtgtgtgttt      780
ttggatggcc ctggtgtttg attacctctc gtggcaggcc caacagccct tgctaaggca      840
cagactgcat atttgctgat ccttgagggg aaagctgtga ttcagacttt gaggtctaag      900
aattgcagac ttagtttcta gtctcccgat gaaactgcta atctgggtgc cagtgggtgt      960
tctgctacac ggacacctgc ccacacagca tgattagaaa ttataatgat gacggcgatg     1020
agtcttcag gacacctacg ttctttgcaa gatatttctg ctaatcgtct ctaccagaat     1080
cagttggaga acttttttta gttttttttt ttttttttta atttccccct ttctaagtca     1140
agtaaaaata ctagtttaat tctgggtgtg ggtaatgatt tgtcctcacc attactgatg     1200
tgtcattttt tgctcatggg atccgatatg agtaaac                                1237

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<211> 703
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (1)..(703)
<223> n is a, g, c, or t

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```

<400> 46
ccctgtgaaa ctgccttgac ttggtgcctt ttttgagggt gtggagttgt ttccactttg      60
acaaattttt atatttctcc catcctaatt ggactaattt gcttttatat ctcttctgtg     120
gttattttgt taatcgtatt ttaggaaagt cacctatttc aaattgattt gcatggagct     180
aaataatttc ttccaatttt ttcatttcct ttgtgtttat ggttatttct acattattag     240
tgaaagtttt gtggttttgt gttttagttc tctatctcct cttttgatta gtttcacaga     300
gttttagttgt tattttttca gaaaacagct cttgcactta tttatcggct ctactgttct     360
taatttgctc ctaaaaattg tcaataatat gtttcttttg ctttgcccgg gctcattttg     420
ttgtttttct aattgtttga gcttgactct taattcatct atttttgttt ctgctttttt     480

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gttaatgtaa atttaaaaaa tgcgagatcc aattagaata agcctcaccg gacaagaacc 540
 tgtctgtgca ctctgagact accataatgc ctatcacata gcagggtgctt aagcaaaaatt 600
 tttgtatgaa taaataaacc cctatgaaaa aattatggga tttgtgtgac agccctcggt 660
 cttctctgct gnetttggcc attctctcta ggcattctgct cat 703

<210> 47
 <211> 304
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(304)
 <223> n is a, g, c, or t

<400> 47
 cttagcttgcc aaacctacag gtggggtctt tcaagtaatg gtgaggacaa atcattaccc 60
 tacaccagaa ttaaactagt atttttactt gacttagaaa gggggaaatt aaaaaaaaaa 120
 aaaaaaaact aaaaaaagtt ctccaactga ttctggtaga gacgattagc agaaatatct 180
 tgcaaagaac gtaggtgtcc tggaagactc atcgccgtca tcattataat ttctaatacat 240
 gctgtgtggg caggtgtccg tgtagcagaa acaccactgg nccccagat nagagttttc 300
 ttgg 304

<210> 48
 <211> 735
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(735)
 <223> n is a, g, c, or t

<400> 48
 agcttgccaa acctacaggt ggggtctttc aagtaatggt gaggacaaat cattacccta 60
 caccagaatt aaactagtat ttttacttga cttagaaagg gggaaattaa aaaaaaaaaa 120
 aaaaaactaa aaaaagtctt ccaactgatt ctggtagaga cgattagcag aaatatcttg 180
 caaagaacgt aggtgtcctg gaagactcat cgccgtcatc attataattt ctaatcatgc 240
 tgtgtgggca ggtgtccgtg tagcagaaac accactggca cccagattag cagtttcatc 300
 gggagactag aaactaagtc tgcaattctt agacctcaaa gtctgaatca cagctttccc 360
 cttagggatc agcaaatatg cagtctgtgc cttagcaagg gctgttgggc ctgccacgag 420
 aggtaataca acaccagggc catccaaaaa cacacacagt ggagcaaggt acaggaagct 480

```

tcctgtgagc ctggaaatac cactagattc agaaacagaa ggccagagtt gtattccac      540
atgatggctc taattcactg agtaactttg aatgaatcat ttgccttctt tgcatttttg      600
ttttcgttct catctgaaaa ttgagagttt ttcaactatt ggttttcaaa tgagacatgg      660
gataagatca ggaggggaagg cagccagcag cagtcttggg ctttcctgg cgcaaaaccn      720
tccccgcaac tggag                                                         735

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<210> 49
<211> 1412
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (1)..(1412)
<223> n is a, g, c, or t

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<400> 49
cttcccacct nnnaccntg gnccttaaca gncacnncc tttggagata gctaactcct      60
acncattcaa catcagtgnn anggntctcc tccagaaggc ttectnacc ctttcaattc      120
ccacttacnt gtaagcctag gatgcctcct ctacagattca gactgggtgn cncagtgttt      180
aagaacttna gctgtacagc canagagttt gtattggaaa ataatctctg tggttttttg      240
tcngcatgat ctggagcag ttatttaacc cctcagtnnt agtttcttca tccatataat      300
ctggcaaatg atagtncnca gtccatacaa ttgtnagcac taaacaaaat aatgtacacg      360
agcctggcac actgaaggan ccagtgaaa ggtggttggtg attactnaca gtccttctca      420
ttctctagca tagcaattac cgtgttgcggt tccgattttc tgtctgcatg tctacctgca      480
tgtcggtttg catgcagact atgaactgga agctgaatcc ccagtgcctg gtacaatgtg      540
agaccccata ncagttcatt gaatgaattc agacatttca gtttttccat aaatttcagc      600
cttcttcaat attttgctcc tattttctag aagtttctga aagagcagct tggaatatgt      660
cagcaatttc taatttctta gcttttctcgt gtgtgtgcgc gtgtgtgcgt gtgtgtttga      720
tattttctgc tgtggaaacc gctggactta gatgatcagn ctgtgagata caggcaggac      780
anagataaga agtaggagga gggctncgat gatgaagctt aggcactgaa gcaactcagc      840
caccaccag gaagcctcag tncctgaar aggtggaccc tkkcasscyg wggatgaacca      900
ttgtgggcca aagaggcca gtgcatgcat gaggcagacc tccctctaca gggaggcttt      960
gccctactgg gatttatttc cttgctgctt aaggacctgg ctttgctcct gcctttcctt     1020
gtccccctca tctgattctc tggccttatt ttggccagca gattgcattt gcctgtccag     1080
tttaccatat aaatgcattc tcctctcat gacctcttct cagcctgctg gtctaaggga     1140

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ggagctctgt ttcttgatcc tgccctctga ctaaattttc tcttgctgct cttccctttc 1200
 ctgatgattc agtacagaca cctgcccaat tccacttttt ctcttcatct ccaattattt 1260
 ggtgggtcaag actgtttact caaatatgca tctgggttaa tcacgagcca cgactctgac 1320
 taaagtagcc tgattatatg gttctttaag ggatagctga ctttcacaaa cctaagaaaa 1380
 gtttcttaaa gtgggtgttct aagggnctca ca 1412

<210> 50
 <211> 866
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(866)
 <223> n is a, g, c, or t

<400> 50
 tttnnggacn gcttgccaaa cctacaggtg gggctctttca agatctgctg acagtgaagc 60
 taaatctggc ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttgcc 120
 tcttaaaciaa tgggtatttt aaagacagaa gttgaaggaa gtccaagtat ccaattttaa 180
 ggatgcctat tagagcagtt ataagagagt gtctctcttt ctctctcttc tttctttctc 240
 ttggtaggag tatgcaggag gtcatttaaa agccagatag tgatacaaat cacaatgcag 300
 aaaaacatcc ccgtggactc ctccctgtcc tatgtttgac attcttaaaa tctatgtccc 360
 aggtcttgaa atctttaaat aatctacat gttctttggc ctgccctggg aaatctattt 420
 cagtaccaga gctatgctgg ttacacacct tttctgactc atgttcccaa gtgattttat 480
 tccagatacg atttggggac agttacgtgt actgttctga tatcttccta aaaggaaatt 540
 attttggaag taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa 600
 aatataaaca ttattaaagg ccatgctgta aaaataactaa ttgattttcc tgtgtagcag 660
 ttacaataga acaacgatag atctctaagg ggagagtgaaggagacctcaa tttgagaaac 720
 gtgaggcagg aaaagtttca aataattata ttcagagtgn tacctaagtt gttacttaaa 780
 gacattctct acgtaaaana aacaataagg ccaaatgaag gaatgagagt tatgttatcg 840
 cagaaacaan gtaancggnt tntttt 866

<210> 51
 <211> 597
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(597)
 <223> n is a, g, c, or t

<400> 51
 acacagcaat tcattncaat gaactgttat ggggtctcac attgtaccag gcactgggga 60
 ttcagcttcc agttcatagt ctgcatgcaa accgacatgc aggtagacat gcagacagaa 120
 aatcggaacg caacacggta agtgctatgc tagagaatga gaaggactgt cagtaatcac 180
 aaccaccttt cactgggttc cttcagtgtg ccaggctcgt gtacattatt ttgttttagtg 240
 ctcacaattg tatggactgt gtactatcat ttgccagatt atatggatga agaaactaga 300
 ctgaggggggt taaataactc gtccaagatc atgcagacaa aaaaccacag agattatttt 360
 ccaatacaaa ctctctggct gtacagctca agttcttaaa cactggggcca accagtctga 420
 atctgagagg aggcattcta aggcttacag gtaagtggga attgaaaggg ttgaggggaag 480
 ccttctggag gagatgccat tacactgaat gttgaatgag taggagttag ctatctccag 540
 aggggtagtg gctgtgaagg ggcgaggggt agagggtggg aaggggatga tggaagg 597

<210> 52
 <211> 875
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(875)
 <223> n is a, g, c, or t

<400> 52
 cgcttgccaa cctacaggtg gggctcttca agatctgctg acagtgaagc taaatctggc 60
 ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttgcc tcttaaacia 120
 tgggtatttt aaagacagaa gttgaaggaa gtccaagtat ccaattttta ggatgcctat 180
 tagagcagtt ataagagagt gtctctcttt ctctctcttc tttctttctc ttggtaggag 240
 tatgcaggag gtcattttaa agccagatag tgatacaaat cacaatgcag aaaaacatcc 300
 ccgtggactc ctccctgtcc tatgtttgac attcttaaaa tctatgtccc aggtcttgaa 360
 atcttttaaat aatctaccat gttctttggc ctgcctggg aaatctattt cagtaccaga 420
 gctatgctgg ttacacacct tttctgactc atgttcccaa gtgattttat tccagatagc 480
 atttggggac agttacgtgt actgttctga tatcttctta aaaggaaatt attttggag 540
 taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa aatataaaca 600
 ttattaaagg ccatgctgta aaaatactaa ttgattttcc tgtgtagcag ttacaataga 660

acaacgatag atctctaagg ggagagtgaaggacaccaa tttgagaaac gtgaggcagg 720
 aaaagtttca aataattata ttcaagagtg ttacctaagt tgttacttaa agacattttc 780
 tacgtaaaat aaacacataa ggccaaanga agggaaatgag anttangtta tngcaggana 840
 aaaggtaaatt cggntttttt ttgtatccat tgcaa 875

<210> 53
 <211> 612
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(612)
 <223> n is a, g, c, or t

<400> 53
 agcggataac aatttcacac agnaattcat tcaatgaact gttatgggggt ctcacattgt 60
 accaggcact ggggattcag cttccagttc atagtctgca tgcaaaccga catgcaggta 120
 gacatgcaga cagaaaatcg gaacgcaaca cggtaagtgc tatgctagag aatgagaagg 180
 actgtcagta atcacaacca cctttcactg gggttccttca gtgtgccagg ctctgtgtaca 240
 ttattttgtt tagtgctcac aattgtatgg actgtgtact atcatttgcc agattatatg 300
 gatgaagaaa ctagactgag ggggttaaatt aactcgtcca agatcatgca gacaaaaaac 360
 cacagagatt attttccaat acaaactctc tggctgtaca gctcaagttc ttaaactctg 420
 ggccaaccag tctgaatctg agaggaggca ttctaaggct tacaggtaag tgggaattga 480
 aagggttgag ggaagccttc tggaggagat gccattacac tgaatgttga atgagtagga 540
 gttagctatc tccagagggg tagtggctgt gaaggggcca ggggtagagg gtggnaaggg 600
 atgatngaaa gg 612

<210> 54
 <211> 732
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(732)
 <223> n is a, g, c, or t

<400> 54
 agcttgccaa acctacaggt ggggtctttc aagatctgct gacagtgaag ctaaattctgg 60
 cggaagcaaa ggattcactt tctcataatg gattaactca tcctatttgc ctcttaaaca 120
 atgggtattt taaagacaga agttgaagga agtccaagta tccaatttta aggatgccta 180

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ttagagcagt tataagagag tgtctctctt tctctctctt ctttctttct cttggttagga      240
gtatgcagga ggtcatttaa aagccagata gtgatacaaa tcacaatgca gaaaaacatc      300
cccgtggact cctccctgtc ctatgtttga cattcttaaa atctatgtcc caggctcttga      360
aatctttaaa taatctacca tgttctttgg cctgccctgg gaaatctatt tcagtaccag      420
agctatgctg gttacacacc ttttctgact catgttcnca agtgatttta ttccagatac      480
gatttgggga cagttacgtg tactgttctg atatcttcct aaaaggaaat tattttggaa      540
gtaaagtcac tgataaaatc aactcaggaa aatgcacttt gtaaataatta aaatataaac      600
attattaaag gccatgctgt aaaaaactaa ttgattttcc tgtgtagcag ttacaataga      660
acacgatgat ctctaagggg agagtgaaag gaccttattt ggtaaccgtg aggcagnaaa      720
gtttcaaata tt                                                              732

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<210> 55
<211> 697
<212> DNA
<213> Canis familiaris

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<220>
<221> misc_feature
<222> (1)..(697)
<223> n is a, g, c, or t

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<400> 55
ctagcttgcc aaacctacag gtgggggtctt tcaagatctg ctgacagtga agctaaatct      60
ggcgggaagca aaggattcac tttctcataa tggattaact catcctattt gcctcttaaa      120
caatgggtat tttaaagaca gaagttgaag gaagtccaag tatccaattt taaggatgcc      180
tattagagca gttataagag agtgtctctc tttctctctc ttctttcttt ctcttggtag      240
gagtatgcag gaggtcattt aaaagccaga tagtgataca aatcacaatg cagaaaaaca      300
tccccgtgga ctctccctg tcctatgttt gacattctta aaatctatgt ccaggtctt      360
gaaatcttta aataatctac catgttcttt ggccctgccct gggaaatcta tttcagtacc      420
agagctatgc tggttacaca cttttcttga ctcatgttcc caagtgattt tattccagat      480
acgatttggg gacagttacg tgtactgttc tgatatcttc ctaaaaggaa attattttgg      540
aagtaaagtc actgataaaa tcaactcagg aaaatgcact ttgtaaatat taaaatataa      600
acattattaa aggccatgct gtaaaatact aattgatttt cctgtgtagc agttacaata      660
gaacacgata gatctctang gggagagtga aaggact                                697

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<210> 56
<211> 617

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<212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(617)
 <223> n is a, g, c, or t

<400> 56
 tggattgcga gcggataaca atttcacaca gaattcattc aatgaactgt tatgggggtct 60
 cacattgtac caggcactgg ggattcagct tccagttcat agtctgcatg caaaccgaca 120
 tgcaggtaga catgcagaca gaaaatcgga acgcaacacg gtaagtgcta tgctagagaa 180
 tgagaaggac tgtcagtaat cacaaccacc tttcactggg ttccttcagt gtgccaggct 240
 cgtgtacatt attttgttta gtgtccacaa ttgtatggac tgtgtactat catttgccag 300
 attatatgga tgaagaaact agactgaggg ggtaaataa ctcgccaag atcatgcaga 360
 caaaaaacca cagagattat tttccaatac aaactctctg gctgtacagc tcaagttctt 420
 aaacactggg ccaaccagtc tgaatctgag aggaggcatt ctaaggctta caggtaagtg 480
 ggaattgaaa ggggttgaggg aagccttctg gaggagatgc cattacactg aatgttgaat 540
 gagtaggagt tagctatctc cagaggggta gtggctgtga aggggagagg ggtagagggt 600
 ggnaagggga tgaattg 617

<210> 57
 <211> 803
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(803)
 <223> n is a, g, c, or t

<400> 57
 cctgcagcta gcttgccaaa cctacagggtg gggctcttca agatctgctg acagtgaagc 60
 taaatctggc ggaagcaaag gattcacttt ctcataatgg attaactcat cctatttggc 120
 tcttaaacia tgggtatttt aaagacagaa gttgaaggaa gtccaagtat ccaattttaa 180
 ggatgcctat tagagcagtt ataagagagt gtctctcttt ctctctcttc tttctttctc 240
 ttggtaggag tatgcaggag gtcatttaaa agccagatag tgatacaaat cacaatgcag 300
 aaaaacatcc ccgtggactc ctccctgtcc tatgtttgac attcttaaaa tctatgtccc 360
 aggtcttgaa atctttaaat aatctaccat gttctttggc ctgccctggg aaatctattt 420
 cagtaccaga gctatgctgg ttacacacct tttctgactc atgttcccaa gtgattttat 480

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tccagatacg atttggggac agttacgtgt actgttctga tatcttcta aaaggaaatt      540
atatttgaag taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa      600
aatataaaca ttattaaagg ccatgctgta aaaatactaa ttgattttcc tgtgtagcag      660
ttacaataga acaacgatag atctctaagg ggagagtgaaggagacctcaa tttgagaaac      720
gtgaggcagg aaaagtttca aatattatat tcaagagtgt acctaagttg ttacttaaag      780
acaattctnc acttaaataa acc                                              803

```

```

<210> 58
<211> 786
<212> DNA
<213> Canis familiaris

```

```

<220>
<221> misc_feature
<222> (1)..(786)
<223> n is a, g, c, or t

```

```

<400> 58
gngnggnaat gtgcagncgg ntaacaatct cacacagnaa ttccatttcc ctcaacaagc      60
aggagaaatt ttctcaagag tttaccagaa gtcactctta acgtcaggct tgcaaatttt      120
aaaaagcatg aaaaagaacg tctactacat aatcctccag gcacattcca acacgctgcc      180
aacagtattc ctgaaaatcc tctgtcaaac cctccataa atcatagcct cagagctctg      240
tgtgtgtggc tgcagcaggc tcgtagctgc agagcacttg catggaggag acatgcgctc      300
aggaactgca ccgccgcatt ccgcagaagc cacgcgactt acttccctct gctgcatggt      360
aacctgtgct atgttctaga tcttacttta gttagtaatt caacaacagg agtcatgtgg      420
gctggcaagt agtcagctga aaactaacat gtgaacagaa ctctcagggg caggcctcca      480
gcaagctccc acccgagtca gtactgctcc cgccttccct tcagcttggtg ggtgggtact      540
accttctgaa gcctcacaaa acccccatct gaaagaagag gaaactgaga cacgggtgaga      660
catggtgccc ctgcacaaa gtctgacagt ttgatatggt agagccagga atccatccca      720
gggnagtggg ccagaaggta gtggctgact gccatgcccg aggacgtccc caggagctgc      780
cgtgaa                                                                786

```

```

<210> 59
<211> 837
<212> DNA
<213> Canis familiaris

```

```

<220>
<221> misc_feature

```

<222> (1)..(837)

<223> n is a, g, c, or t

<400> 59

tctggnnccc cgggacgttn ttgggagctg ccctgagctc ccacctgctg ctgccagtac	60
tagcacaggg tcctcaagtg atggctgctg gtgaattatt tagaatctcc atgggcaggg	120
cattctgctt tttagcactg tgtcttgacc tgttccaaga ccatcttcca aggagagcca	180
gcagctggtg ttgtaagttc ttcccatgac aaataagccc aagacctcac ttaggaaaca	240
tacaatgatt atatgatctt gggagtcagc cctagaaggg cccttcttct cttgcttcaa	300
gctaaaaaga ctctggacaa caaaagaggg agtggtgct aagtaacttg caactaccac	360
ttcagttctca ctgcagctgc aaagatagga acagagaagt tttaggtgag aaactccttt	420
ttcccaagaa actgtgatga accagtgtta cagtttaggg agagagctct gtagacaagg	480
agggacctaa ggacccccag gactcaccac cccacacct agtccccctg gtcacctggt	540
acgtaagcag gtaggctctg cttagcatag tgctaagatc acatcttgct cagagtgtac	600
aaactcagga aagctggcat taggtagtat cacaagtga aaaatacctc aaccagtggc	660
cattggaagt gcggaagtac atgccatact cactgcaagg ttctccattc cagctgccgt	720
actgtgtaat acgacttaat atcttcagag natcaagggt aatttcaaat ttgtgtcttc	780
aaagaacatt tctttttnt tcttttgggg ncagtactgc gcacatttta actagga	837

<211> 866

<212> DNA

<213> Canis familiaris

<220>

<221> misc_feature

<222> (1)..(866)

<223> n is a, g, c, or t

<400> 60

ttgtcgagcg gataacaatt tcacacagna attccagcac catgcactct ctgagacagg	60
tgaggatttt gcagcagctg ataaggacac aagtgaacag gagcataata atgaaaacac	120
aaagactagt tagctgttac tacttgcttc tagggcttct agtggttctct gttgtgatac	180
ttggtcaaat gttgtttggg agtcactgaa gaatgcttca tcatttgcaa agataggacc	240
ctaacttgta agccccctaa attaaaagaa tgcttttttag tacaaaatta atgatcttag	300
tcacaaaaag caaagaagaa atcaaaatca caaagtcac attcaaagtt gtattcttta	360
tagcaaaaat ggggcaagct acaggattgc caaaagtctt ataaaacagg aggaaggttt	420
atgaaatgat gctcagagag aatgcagaat gtgctattag cacaaatcct ttctgaaatg	480
gaacctgagc aaagtgatgg catttgatgt agaggaatag ccaccatcac atatgtgtga	540

gagaaaatag tttgctttgg ggatgaacaa taccaccgtt gtacaaagca tgaataagca 600
 cttggaaaat gtatagtatg tataacagag ggacttttat ctgtttggca ttgaaaatca 660
 atgccattaa aagtaggaac aattgggttat tgggnctgat tttttaaag aattcattta 720
 tttnttttng gggganagaa ncccccccc cctntncccc cnggggaaan annnaggggn 780
 aaaaaanaat nttnagccna ctnttttctt nntgggnccc cggngggggg ctttancnca 840
 aancccnnga aannannntn ngncen 866

<210> 61
 <211> 886
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(886)
 <223> n is a, g, c, or t

<400> 61
 ttgngaaccc gcttgccaaa cctacaggtg gggcctttca agaacataag cccaaataag 60
 cactggcaca tagtaggagc agcataaacg ctccccctcc tattcctaac ccaccaagaa 120
 ttctagattg acagtTTTTT ctttgagtat tttaaagatg ctgcttcctt gacttcttgt 180
 ttgcaaattt ctgatgagaa atctgctgtc attttatctt ccttcctttg cataatgatg 240
 tatctttttc tctctgcttt taagattttc attttatcac tggttctaag caatttaatt 300
 atgatgttcc ttggtatagt gctcttcata tttctattag gagtttggtg agcttcttgg 360
 atttgtgagt ttatagtttt tatcaaattt ggcaagtttt cagctactat ttcttcaact 420
 ttttttttcc tgtcctcctt tgactcctcc tcattcccat atttctcctg tccttcaggg 480
 actccagtta tctgtatgtt aagctcattg atacctatt tgtgtatatt ttaaggcttt 540
 ttattccttg tatttcattt tggatagttt ctactgcaat gttttcaggt tctttaacct 600
 cttttttttt ttccccccag taatgtctaa tctgctcttc atcccaaaga catgtagtgg 660
 tgtgtgtgct aaaaatccca gacaatgttt ttatgattcc taggtatttg ctttggggct 720
 tttcaaagat ttccatatt tctacttctt tggccatata gaatgcggnnt attattattt 780
 tttagnggcc tatgctacta aatcctataa ttntctgggac tcctttgatt nagnntnncc 840
 tttttattta ttnattaagn anggttttat tgggagttng attncc 886

<210> 62
 <211> 728
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(728)
 <223> n is a, g, c, or t

<400> 62
 ggattgtcag cggataacaa tttcacacag aattcccagg acccagcatg atgcctggtg 60
 tgcacatggg tgggcctcc tatgtaagcg tcaccactcg ggagcagtgg cggggatgcc 120
 tggatgcgcc ggctcctgcg tgtagggtgc tatcaggaca ttgctgggtt gccacctctg 180
 tctgaggctc cagagagcga ggggacaccc cacatcatga atgcctgtg gggttaccag 240
 tgggggcaat tacctgcatt gctcctgggc ctgagcggcc tcatctgtga aatgggtaca 300
 ttcatatcac gtatgggaga gggctgccgt ggggtttaat ggaggcaacc catttgagcg 360
 ctgggcccgg caccgctcct gctcttactg tgactatggc cagcgtcact gttgcagggc 420
 cttgaccggc cggggtggac gctgggtgcca ccgttgctct ctcccagggt gggaggagac 480
 aggcctgcgg ggcggactca ccgtggcggt gacggtgagc tggtaggcct gcgtggtctc 540
 gtagtccagc tcgcggaaca ccgtgacgat gccgcgggcg ctgtcgatgg cgaacaacgg 600
 ggaccggggc tggaaggagt acaggacgct gccccctgca ccaagtcggg gtccgtggcg 660
 ttacgataaa atgggtgtcc ccaccggcgt gttctggggg ccaagcaaac aaccaagggtg 720
 agtgggct 728

<210> 63
 <211> 785
 <212> DNA
 <213> Canis familiaris

<220>
 <221> misc_feature
 <222> (1)..(785)
 <223> n is a, g, c, or t

<400> 63
 attgtcgagc ggataacaat ttcacacaga attcctaaaa cccttactgt tgtttttata 60
 tggcacttcc tgatgtgatt gcaggctttt agcaaagcca tttttgttaa caaaaaatga 120
 tttaaattct tttaaacaag tgttttagtga caagtcagta tttagtcac tagttattga 180
 tacagcacc ataaaattta tctactgagg gagggatcag gaggaaatgt gggcattcta 240
 acttaatgat taataatatg tgtctataac aaatgtgatg gctaagttat aaaatattta 300
 aaaaattttt tcttgaggt atttataaca gcaatgatgt agcagtatca tttccaaatg 360
 tggatatctg ctcaggatct agcactcctg tctccagttc tcatttacct cagcagtctt 420
 ctgggcatit gcaacaagtg ggagcactct ccccatcagc agcatcatct gcaaccctg 480

ctgttgctac aactcaggta atcattacag tgctatgaag taacctgtag atggctttgt 540
 cgtttttgaa agtgagtttg attggagaag aaagaaacct tgtatagaaa ccttcctata 600
 taaattccta taggaattta taagtatctc catttgtttt gacacgtag tggatataat 660
 agacattttt atgtgatatt catgagaaag gacaaaagaa tacattggca ttaactgatt 720
 cttttcagtt tctgagtttc taatttttcc tgaagatgna aacaaaaatt tggggggaac 780
 tttta 785

<210> 64
 <211> 981
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, g, c, or t

<400> 64
 ttgnaancg tcagaccaag tttactcata tcggatccaa agtgcttgag actgcatttt 60
 tttcaaattt tgcaatatatt gcattataat caccagttaa gcatccgtaa tccaaaaatc 120
 ctaaacctac aatgctctaa taaatatttc ctttggtgtg gttggtgcaa aaaatgtttt 180
 ggatttttga agacttcaaa tttcacatta gggataccct gagtggaaaa aatagttttt 240
 gtttttaaga ttctttcact caacaacaat caacaaggta gacttctgtg atcaaatgtg 300
 tgaggatttc tccccaccaa taagcaatca attctgcagc agacaccaag tgggtatcct 360
 ccaattcaag tctgacatta cctacctgga gaaagcgtca gatctcacag gttgatggct 420
 cagtcccaca agactgctcc ctacttctga tgtcaatcac aagccacagt ttgttttacc 480
 tgtgcttcta actgactgga tataaactgg gaatctcatg agcccctctt tgggttcggt 540
 taatttgcta gagtggctca cagaactcag ggaatcacat ttattagttt attataaagg 600
 atatacagtt gaagagatac acatggcaag gtatgccttc cctgggaaca ccactctcca 660
 ggaacctnct tttgttcctg tccagaagct cttcgaatcc tctcctcttg ggccttttat 720
 ggagacttna ttagatgggc atgactgaca cacatgtaga aatgtgactg gagaaaaaat 780
 atatgatcta atattaatag actggggaaa ctancagggg cctgtntgtt caaatnttc 840
 nggncntttt gggtagcatt ncttnctcca gggtnngggg gngnacnttt ttgaaagaaa 900
 gtntttgacc ctanncaaaa gngggggaag annaantnct ctttnggcag nnaaaaaaaaa 960
 aaaaattttt tttttnggnt n 981

<210> 65
 <211> 981
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(981)
 <223> n is a, g, c, or t

<400> 65
 ttggnaancg tcagaccaag tttactcata tcggatccaa agtgcttgag actgcatttt 60
 tttcaaattt tgcaatat tgcattataat caccagttaa gcatccgtaa tccaaaaatc 120
 ctaaacctac aatgctctaa taaatat ttc ctttggtgtgt gttggtgcaa aaaatgtttt 180
 ggatttttga agacttcaaa tttcacatta gggataccct gagtggaaaa aatagttttt 240
 gtttttaaga ttctttcact caacaacaat caacaaggta gacttctgtg atcaaatgtg 300
 tgaggatttc tccccaccaa taagcaatca attctgcagc agacaccaag tgggtatcct 360
 ccaattcaag tctgacatta cctacctgga gaaagcgtca gatctcacag gttgatggct 420
 cagtcccaca agactgctcc ctacttctga tgtcaatcac aagccacagt ttgttttacc 480
 tgtgcttcta actgactgga tataaactgg gaatctcatg agccctctt tgggttcggt 540
 taatttgcta gagtggctca cagaactcag ggaatcacat ttattagttt attataaagg 600
 atatacagtt gaagagatac acatggcaag gtatgccctc cctgggaaca ccactctcca 660
 ggaacctnct tttgttcctg tccagaagct cttcgaatcc tctcctcttg ggccttttat 720
 ggagacttna ttagatgggc atgactgaca cacatgtaga aatgtgactg gagaaaaaat 780
 atatgatcta atattaatag actggggaaa ctcanaggg cctgtntgtt caaatntttc 840
 nggncntttt gggtagcatt ncttntcca ggggttngggg gngnacnttt ttgaaagaaa 900
 gtntttgacc ctanncaaaa gngggggaag annaantnct ctttnggcag nnaaaaaaaaa 960
 aaaaattttt tttttnggnt n 981

<210> 66
 <211> 1005
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(1005)
 <223> n is a, g, c, or t

<400> 66
 ctnagctngc ttgccaaacc tacaggtggg gtctttcaaa aaacagacat gcagacttta 60

```

acagataata aggtttttga ggtttttcgt ttatgtatatt actcgagaaa gcaagagctt      120
tattttattta tttttgagac ggagttttcgc tctgtcgccc gggctggagt gcaatggctc      180
catctcgtct cactgaaacc tctgcctccc gggttcaagc gattctccca tctcaacctc      240
ccgagtagct gggattacag gcgcgcgacg ccacgcctgt ataaaaatac taaaaatgca      300
aaaataatth ttgtatthtt agtagagatg gcgtttcatc atgttggcga aactccaggc      360
tggctctgaa ccctgacctc ggtgatctgc ccgcctcggc ctcccaaagt gctgggatta      420
caggcgtgag ccaccgcgac cggccaagag ctttataaag atggaaaacg aagcagactt      480
tctgccaag ccatgcttht ggataaggat tacactactt tgaaatctta catatatagc      540
acttggccaa ctatcaaaac tgcacaaacc ttcactaatt gcaattattc cctttaacat      600
ctcgagttac cccaatccgc acaaaacaag tttagtgcc accaggtaat aatacattca      660
ggaaaataat tccaagaaca gacgtttaag aactacagag aaaaacatac ttttttctac      720
aagaaaaaat cttagaggac agtaccaggg nccttatctc tgttagcatg atttatattt      780
cacgtaacgt tggcccagtc actgctncat tntaaancna tagccanggc anatagaaag      840
tctgaacana ttgacngcna ngggtttaaa ttttttacca ggnaacaaan cctggcaaac      900
tgccancang ggtgcccaaa tgctggncn gggtccttg aagnaaacgg agggctttga      960
atthttttcc ntttnggaac ngncnngnt ttnggcnaa tnttc      1005

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<210> 67
<211> 863
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(863)
<223> n is a, g, c, or t

```

```

<400> 67
nttttggng nntanctnt ananattngc caattattgg ggggnacctt catcataagt      60
attaatataa taataataat aagtaatagt aactagtaac aacaataaaa aggaaatcag      120
cggaaagtca ggaaaaatgt taaaaaaaaa ttggaataac ttactgtagc tgaagatcaa      180
aaaaatctca ctgtaaaaaa acaaaaaataa aaatagccca gattagaaaa acgggagggtg      240
caaaaatgtc aagtcagtaa agttcatttc ttttctcttt caaaagcag tttccacaaa      300
aaccgcaagg ataaagthtt cagtagcaga caagcaaagc cctttcgaca tcatcaatca      360
atcttaaaaa tacacgagga agtagagagg tcagthtatg agaggctaaa aggctcctcc      420
tctctaaccc caactgctgc agaaaaata gaaatagaaa ttttaaaaat tacatcttaa      480

```

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atccagggtcc cggtttttga aacaattaaa aaaaaaacac ctgtacattt gccgtagtgc      540
acaccaagtt gcatcattat gtttaaaatg tctttataaa atcagttttg gaatggaatg      600
tgtgtgttct ggaaggggtg ggaagggagg ttaaaaatca aagctgagct ccagttagta      660
gggatggggg tcgccttgct gccctgtgaa agggaaagga cagatnagtc aanttnctaa      720
aaatgtntgc cctaancnccn anaaaaaact ttgnntttng aantaaaaat ttggttagct      780
ttaaattccc tggnggggaa nccnctntaa naccttttnc ngnnngntta aaattttaan      840
aaaanggggn naaaaaaaaa ncc                                             863

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<210> 68
<211> 918
<212> DNA
<213> Cercopithecus aethiops

```

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<220>
<221> misc_feature
<222> (1)..(918)
<223> n is a, g, c, or t

```

```

<400> 68
cnnnttctgg nngatnaaan tnnttnnnna nttcnccaat nnattggggg gaannnttca      60
tcataagtat tnatataata ataataataa gtaatagtaa ctagtaacaa caataaaaag      120
gaaatcagcg gaaagtcagg aaaaatgtta aaaaaaatt ggaataactt actgtagctg      180
aagatcaaaa aaatctcact gtaaaaaaac aaaaataaaa atagcccaga ttagaaaaac      240
gggaggtgca aaaatgtcaa gtcagtaaag ttcatttctt ttctctttcc aaaagcagtt      300
tcacaaaaaa ccgcaaggat aaagttttca gtagcagaca agcaaagccc tttcgacatc      360
atcaatcaat cttaaaaata cacgaggaag tagagaggtc agtttatgag aggctaaaag      420
gctcctcctc ctctaacca actgctgcag aaaaaataga aatagaaatt ttaaaaatta      480
catcttaaat ccagggtccg gttttggaaa caattaaaaa aaaaacacct gtacatttgc      540
cgtagtgcac accaagttgc atcattatgt taaaatgtc ttataaaaat cagtttttga      600
atggaatgtg tgtgttctgg aagggtgggg aaggagggtt aaaaatcaaa gctgagctcc      660
agtgagtagg gatgggggtc gccttgctgc cctgtgaaag gagaaggagc agattgagtc      720
agagttcctc aaaaatgttg tgcctaaac cccaagaca gaaacatctt gtttatntn      780
gctaacacaa tntttntgna naatnatnaa cctccccngg ggaggggnacn ccctnnnnna      840
aannnccctt nccanggant gnnttnaaan tttttnaana tnantggggg nanaaaatna      900
acnaancctt gnaaattn                                             918

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```

<210> 69

```

<211> 887
 <212> DNA

<220>
 <221> misc_feature
 <222> (1)..(887)
 <223> n is a, g, c, or t

<400> 69
 tncantcttt nnnnggcna nacgcgcgc nantcgccaa tnactggggg ggnancttca 60
 tcataagtat taatataata ataataataa gtaatagtaa ctagtaacaa caataaaaag 120
 gaaatcagcg gaaagtcagg aaaaatgtta aaaaaaaatt ggaataactt actgtagctg 180
 aagatcaaaa aaatctcact,gtaaaaaac aaaaataaaa atagcccaga ttagaaaaac 240
 gggaggtgca aaaatgtcaa gtcagtaaag ttcatttctt ttctctttcc aaaagcagtt 300
 tccacaaaaa ccgcaaggat aaagttttca gtagcagaca agcaaagccc ttctgcacatc 360
 atcaatcaat cttaaaaaata cacgaggaag tagagaggtc agtttatgag aggctaaaag 420
 gctcctcctc ctctaacca actgctgcag aaaaaataga aatagaaatt ttaaaaatta 480
 catcttaa at ccaggtcccg gttttggaaa caattaaaaa aaaaacacct gtacatttgc 540
 cgtagtgcac accaagttgc atcattatgt ttaaaatgtc ttataaaaat cagttttgga 600
 atggaatgtg tgtgttctgg aagggtgggg aaggagggtt aaaaatcaaa gctgagctcc 660
 agtgagtagg gatgggggtc gccttgctgc cctgtgaaag gagaaggac agattgagtc 720
 agagtccctc agaaatgttg tgccctaacc cccaagacag aaacatctgt ctttgcagct 780
 aacacatttt ggnaagcatn acatncactg ggatggacag ccncntaaaa aaccttnncn 840
 ngncnnnttt naanttttaa nnnaaagggg nnnaaataan naaccn 887

<210> 70
 <211> 897
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(897)
 <223> n is a, g, c, or t

<400> 70
 ctttggggng tnnttcanac nttttancac nntnntcgcc antccncttg aggggnaaac 60
 ccatcgctt ctatcgntt cttgacgagt tcttctgagc gggactctgg ggttcgaaat 120
 gagctagccc ttaagtaacg ccattttgca aggcattggaa aaatacataa ctgagaatag 180
 aaaagttcag atcgagggtc ggaacagatg gaacagggtc gaccggtcga ccggtcgacc 240

ctagagaacc atcagatggt tccaggggtgc cccaaggacc tgaaatgacc ctgtgcctta 300
 tttgaactaa ccaatcagtt cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct 360
 caataaaaga gcccacaacc cctcactcgg ggcgccagtc ctccgattga ctgagtcgcc 420
 cgggtaccgc tgtatccaat aaaccctctt gcagttgcat ccgacttggt gtctcgctgt 480
 tccttgggag ggtctcctct gagtgttgga ctaccggtca gcgggggtct ttcaatgatg 540
 gtgatgatga tgatgataat gacactgatg atttttaacc ggattaaaat cgagtttttc 600
 tgaatgtttc taagaatttc tccggcctcc tgattgactt tggagttttg catcttggga 660
 gagaaagcga aggcattagt atttttaagt ggattgatca cataaacctt ttctctccca 720
 accccaccct tgcccttacc cccttcccca cactgaacag aattttactg gctgntaagt 780
 ctatgacctt attttttctt gatctttaac ttaactgntt tagagcatct ntggacgncn 840
 ggattttnaa attttttnat tttnggnttt ttnntttnaa annttnnatt gggaaan 897

<210> 71
 <211> 878
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(878)
 <223> n is a, g, c, or t

<400> 71
 tcggggngnn ctccactnnt gntgcnnntc nncgccantc cncttgnggg gnaaaccatc 60
 gccttctatc gncttcttga cgagttcttc tgagcgggac tctgggggttc gaaatgagct 120
 agcccttaag taacgccatt ttgcaaggca tggaaaaata cataactgag aatagaaaag 180
 ttcagatcga ggtcaggaac agatggaaca gggtcgaccg gtcgaccggt cgaccctaga 240
 gaaccatcag atgtttccag ggtgccccaa ggacctgaaa tgacctgtg ccttatttga 300
 actaaccaat cagttcgctt ctgcttctg ttgcgcgcgt tctgctcccc gagctcaata 360
 aaagagccca caaccctca ctcggggcgc cagtctcccg attgactgag tcgcccgggt 420
 acccgtgtat ccaataaacc ctcttgaggt tgcacccgac ttgtgggtctc gctgttcctt 480
 gggaggggtct cctctgagtg attgactacc cgtcagcggg ggtctttcaa tgatggtgat 540
 gatgatgatg ataatgacac tgatgatttt taaccggatt aaaatcgagt ttttctgaat 600
 gtttctaaga atttctccg cctcctgatt gactttggag ttttgcacct tgggagagaa 660
 agcgaaggca ttagtatttt taagtggatt gatcacataa accttttctt tnccaacccc 720
 acccttgccc ttatccctt cccacactg aacagaattt tactggctgn taagtctatg 780

accttatttt tctgatctt taactnactg ntttagannt ctctggacgn cggnnittna 840
aattnttat tttgggtttt tantttaaan cttnattn 878

<210> 72
<211> 964
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(964)
<223> n is a, g, c, or t

<400> 72
cttctggggn gannnaanca nttcgnnan nntccncca atctacttgn ggggcaaacc 60
catcgcttc tategttctt cttgacgagt tcttctgagc gggactctgg ggttcgaaat 120
gagctagccc ttaagtaacg ccattttgca aggcatggaa aaatacataa ctgagaatag 180
aaaagttcag atcgagggtca ggaacagatg gaacaggggc gaccggtcga ccggtcgacc 240
ctagagaacc atcagatggt tccaggggtgc cccaaggacc tgaaatgacc ctgtgcctta 300
tttgaactaa ccaatcagtt cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct 360
caataaaaga gccacaacc cctcactcgg ggcgccagtc ctccgattga ctgagtcgcc 420
cgggtacccg tgtatccaat aaacctctt gcagttgcat ccgacttggt gtctcgctgt 480
tccttgggag ggtctcctt gagtgattga ctaccgtca gcgggggtct ttcaatgatg 540
gtgatgatga tgatgataat gacactgatg atttttaacc ggattaaaat cgagtttttc 600
tgaatgtttc taagaatttc tccggcctcc tgattgactt tggagttttg catcttggga 660
gagaaagcga aggcattagt atttttaagt ggattgatca cataaacctt ttttttncca 720
acccaccct tgncttatn cccttnccca cactgaacag aaanttactg gctggnnann 780
natganccta nttttnnng ncttnaanta acnggnnnna anaaancnng gcnnccggnn 840
nnnaaaaaan ttnnnnnnng nngntttttt naaaaancnt nnttnnaaaa ntaaaancgg 900
nnnnnaaaaa nggggggggn cncnncnncn tnannnnngg ngggttttcc nnaaancntt 960
ttcc 964

<210> 73
<211> 986
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(986)

<223> n is a, g, c, or t

<400> 73

```

catctttctg nnnngnaana aacgtncnnn nnnnctctcc cnaatttaac ttgggggggn      60
aaaancatcg ctttctattt ttcttcttga cgagttcttc tgagcgggac tctgggggttc      120
gaaatgagct agcccttaag taacgccatt ttgcaaggca tggaaaaata cataactgag      180
aatagaaaag ttcagatcga ggtcaggaac agatggaaca gggtcgaccg gtcgaccggt      240
cgaccctaga gaaccatcag atgtttccag ggtgcccaca ggacctgaaa tgacctgtg      300
ccttatttga actaaccaat cagttcgctt ctgcttctg ttcgcgcgct tctgctcccc      360
gagctcaata aaagagccca caaccctca ctgggggagc cagtcctccg attgactgag      420
tcgcccgggt acccgtgtat ccaataaacc ctcttgagc tgcacccgac ttgtgggtctc      480
gctgttctct gggaggggtct cctctgagtg attgactacc cgtcagcggg ggtctttcaa      540
tgatggatgat gatgatgatg ataataacac tgatgatttt taaccggatt aaaatcgagt      600
ttttctgaat gtttctaaga atttctccgg cctcctgatt gactttggag ttttgcattct      660
tgaggagaga agcgaaggca ttagtatttt taagtggatt gatcacataa accttttctc      720
tcccaacccc acccttgccc ttatccctct cccacactg aacagaattt tactggctgt      780
taagtctatg acctattttt tcttgatctt taacttaact gntttanagc atctntggac      840
gnnnngnattt naaanntttt tatttnggnt ttttatttta aannttnatt ngnaaanntt      900
naactgggct gnaaaaaagg gnggggncta ctnaaantnn nnacgggagg gntttncctg      960
nanncanttn ctccnnttcc ntgaan                                           986

```

<210> 74

<211> 748

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(748)

<223> n is a, g, c, or t

<400> 74

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ttttttgcnt taccgtatcg ccgctnncca ttgcagcgc atcgcttct atcgcttct      60
tgacgagttc ttctgagcgg gactctgggg ttcgaaatga gctagccctt aagtaacgcc      120
attttgcaag gcatggaaaa atacataact gagaatagaa aagttcagat cgaggtcagg      180
aacagatgga acagggtcga ccggtcgacc ggtcgaccct agagaaccat cagatgtttc      240
cagggtgccc caaggacctg aaatgaccct gtgccttatt tgaactaacc aatcagttcg      300
cttctcgctt ctgttcgcgc gcttctgctc cccgagctca ataaaagagc ccacaacccc      360

```



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accctcttgc agttgcatcc gacttgtggt ctcgctgttc cttgggaggg tctcctctga      480
gtgattgact acccgtcagc ggggggtcttt caatgatggt gatgatgatg atgataatga      540
cactgatgat ttttaaccgg attaaaatcg agtttttctg aatgtttcta agaatttctc      600
cggcctcctg attgactttg gagttttgca tcttgggaga gaaagcgaag gcattagtat      660
ttttaagtgg attgatcaca taaacnnttt tntcttccaa cccacccctt gcccttatnc      720
ccttncccac actgaacaga attttact                                         748

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<210> 75
<211> 881
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(881)
<223> n is a, g, c, or t

```

```

<400> 75
tnctttgcgg acccgatcgc ccgcttccga ttgcgagcgc atgccttct atgccttct      60

attttgcaag gcatggaaaa atacataact gagaatagaa aagttcagat cgaggtcagg      180
aacagatgga acagggtcga ccggtcgacc ggtcgaccct agagaaccat cagatgtttc      240
cagggtgccc caaggacctg aaatgaccct gtgccttatt tgaactaacc aatcagttcg      300
cttctcgctt ctgttcgcgc gcttctgctc cccgagctca ataaaagagc ccacaacccc      360
tcaactcgggg cgccagtcct ccgattgact gagtcgcccg ggtacccgtg tatccaataa      420
accctcttgc agttgcatcc gacttgtggt ctcgctgttc cttgggaggg tctcctctga      480
gtgattgact acccgtcagc ggggggtcttt caatgatggt gatgatgatg atgataatga      540
cactgatgat ttttaaccgg attaaaatcg agtttttctg aatgtttcta agaatttctc      600
cggcctcctg attgactttg gagttttgca tcttgggaga gaaagcgaan gccttantat      660
tttttagngg gtnggmnaca tataaccttt ttttttccaa nccccccctt ncccttttnc      720
cctttccccc actgaaaaaa attttacngg ctgnnaannn tnnnacntn ttttnccnnn      780
ncttnannna annggttnaa gaccnnnnng ggccnnnggn tttnaaantt tttntttng      840
ggnttttntt ttnnaancnnn cnttggnaaa ntttnaanng g                                         881

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<210> 76
<211> 906
<212> DNA
<213> Cercopithecus aethiops

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<220>
 <221> misc_feature
 <222> (1)..(906)
 <223> n is a, g, c, or t

<400> 76
 canntttctg gggngtnnnn aactnannnn nnnnatcgcn nccacantnn nnttgggggg 60
 aaaaacctga atacatttgt ngttatttcc cttagatctt tttttttttt tttttttttt 120
 ttgagacatc tcaactctgtc acccaggcta gagtgaagtg gcacaatctc tggtctactg 180
 caacccccac ctgcctgggt caagcgattc tctgcctca gcttcccgag tagctggtac 240
 tataggtgtg caccaccaca cctggctaata ttttttaaaa aatattttta gtggagatgg 300
 ggtttcacca tgttgaccag gctgggtctca aactcctgac ctcaaaggat ccacctgcct 360
 tggcctccca aagtgtctggg attataagca tgagccacca tgccagcctg tttcttttag 420
 atcttgattt gatattctgg atatgaatga aagaaaatta atgagtgttt caaagtctaa 480
 ataaggaagc tccacagata atattaacat ttctctgac tagtcatatt tattattgtg 540
 tttcaattag aagtggctgt aggctctgaa agacacacta taaataaagc ctccccctca 600
 tacaccctca ctacaccca cacttacacc aatgcaattt ttagacagaa acacaagcaa 660
 gaaataggat agattttttt taaaaaatgg gcattgggta aattttctgg tcatattaaa 720
 aaanntnttt nagaactccc aanggggggc cattaataga gacctnattc nctgnnggaa 780
 nnaaannngn aaattncnan aattnctnac aatnttttagg ganttgangn aaaatnttnn 840
 gtnnntgnaa ctttcctagn ggncnnnttn ngccctatnc ccaggntttt tatnctaaac 900
 cccttc 906

<210> 77
 <211> 909
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(909)
 <223> n is a, g, c, or t

<400> 77
 cntcttnngg gngttnaanc tgnctnnnaa tgcntcacat tnattnnngg gaaaaccgta 60
 ctgacttatt atgagagggt tctgctcttg ttaggatcca gtaggtttga ggtgcaacta 120
 ttctctact ttactcttcc acctcccaga gaactctgcc aagaaccatg ttaagactgc 180
 tttctgcttt aactactaat agtcttgatt ataggaacgg aatttggtga tcaagtaggt 240

tctaagaact taacataaaa actggctatt aatgcatttg caaaatttgc attttaaatc	300
caaggcaaga acaggtcagg caaaaatgga atccaaacac caaattgtta aaagttttaa	360
gtccatttct cttgttagtt tgcaacttaa attactaatt ctctaattgt ttagagcaga	420
agttggtaaa ttgtttctgt aaaaaaattg tttctttaaa ttgtttcata atcaaaatct	480
taggttgtgt aggtgatact gtttctgttg aaattattta atctaaataa atggacatag	540
ctgtgttcta acaaaacttt atgattaacc tgacaggcca gatttgaaat gttagcaggt	600
ttgcacaccc ctactttaga aaaactcagt ctttatagct tccagttaca agatgtatct	660
tttttttttt tttttttaaa taagacagta ttattncaaa tgtcgggtgg ctcataccna	720
aatttgtttc cccnttcttn anttttcnaa angtggggcc caaanacttn aaaaggtngn	780
annnttttn nntaanaaaa nanccattta ggggnttntn caacccttn aaaaantttt	840
tttcttnaaa aanaantnca naaaannntn ctnaaaaaan naaaggggcc caccnttnt	900
ttttaaaac	909

<210> 78
 <211> 890
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(890)
 <223> n is a, g, c, or t

<400> 78 gnnntncnnc tttnnnngat cagccgcnc cncagnncccc accaatccna cttgggtgtaa	60
acccccccagc aggggtcttg gctttctttc tgcttctcca aaatgggcct ggcttcccag	120
gagacagccg agagcgcctc gccctgctg gaagggcagc ctgggagctg gagttggcaa	180
acgggagggg acgggaggag gccagggga gggggcgtct tcccttagct ttcagcgaca	240
tctgctggcc gtgcgctgaa ctgccgctac cccagaggcc agctggagac caattttgag	300
ttgtgagcag ggaaagagag gaggggttcc aggacaatca ggtctggagc ttccagaaac	360
attccaaaaa cacagtttag gctttttaat tgttcactca gtcattctcc cggggtctag	420
ggagaaatcg gactcagact cggatctttg gggacctacc gcagcatgat aaccaggtg	480
tacctggggc tcatgggggc ctggggatca gggaggcccc tcacctgcat tcaactgtgtg	540
ccaagcactg gcctacatca ctgacatttg ctgtctcgct gcgggtgctg tgatcttgct	600
gctgtgctca tttgacagat gaaaacgctc aggttgtgag agaaccctaa agccagagga	660
ttcccttgat cactcccctt ccttcatgcc catagtcaat ccttcttcaa agcctatccg	720

tcccacctcc aaagcacacc atggatgccc atccttgccc catcatcggt accctctnag 780
 tgccagcctg cctganccccc tcanttnaag tcccgcctccc tggccttttg cagaagcatc 840
 ccaccagaat ctncaagcca cccctcccna nttntntntt cccaaatggc 890

<210> 79
 <211> 965
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(965)
 <223> n is a, g, c, or t

<400> 79
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 agccccaagg tggccattgt caggagggtg cttgctatgc agatgtgccg ttcaaaggca 120
 tgcagatatg aaagcatcgc tccctcaggt gggagacaat gggaaggctg agagcactgt 180
 ggtaggagc aaggcttttg aattagcagt ccctgcattc aaatcctagc tttacttgcc 240
 tcatgacagc cgtctgtcct tgagcaaaat tgtttaacct ctctggacct gtctatatct 300
 gtaaaaaggg ccaacatggt gtacccaaaa gccttgctgt ggtgatctca ttaagatatt 360
 tcatgtgaat atgtgctgag tggcctcacg taggagggtg ttactgactt ctccaagcc 420
 ccctcctctt catcgtact gccgctctgc gtatcctcca gcctcctccc acgctttctc 480
 tctactgact ttttgggggt gagggaggcc atttctgagt cacttgctcc tggacttgat 540
 gaattccatt cgtgtggcgg gggcagcagg gccagtggtg aaccagcagc tccccaaccc 600
 tgcccactat accactcaag tgagtccaag ctgtgatgcc cctggctgcc tccccactt 660
 cccttgagcg agctgggagg acaaagattg gactctgagg atcagcctga gacttaagat 720
 ggaggctgtg ttcccagagc cccagggtgg gcatgccagg aagcactctg gctccacgga 780
 atgctgcact gccccggggc tggcanacca ncacttcctt gtnttnctgg gtctnacagn 840
 cncancctgg cctgggctgt ttttgcntgn tgnacctgcc tnaaannngn aaancctggn 900
 ancctggagn ctccnaggt ttngnttttc caancnccca aaattangnc naaccngnct 960
 nnggc 965

<210> 80
 <211> 891
 <212> DNA
 <213> Cercopithecus aethiops

<220>

<221> misc_feature
<222> (1)..(891)
<223> n is a, g, c, or t

<400> 80
tttggttaact gtcagaccaa gttttactca tatcggatcc tctctatcag attgatctgc 60
aggtgaggggt gtccagagat gtcttgcaaa tggcaatgtc ccaggccatg gaaacaggaa 120
tatgggctca aatccattta tggccaggca tgggtggctca tgcctgtaat cccaacactt 180
tgggaggtca aggcaggagg attgcttaag ccaggaggt caagaccgtc tgggcaacgg 240
agaggagacc ctgtctctac aaataattaa aaaattatct gagcatagtg gcacatgcgt 300
gtggtcccag ctactcgga ggctgaagt ggaggatcgc ttgaggccaa gaggtcaagg 360
ctgcagtga ctgtgatcat accacggcac ttgagcctgg gcgacagagc aagaccctgt 420
ctttcttttt ttttttcaaa aaaaaaaaaat ccatttataa tttaacatgg gagcctcacg 480
ggaaagagtt ctgtcttgt tgagtgggtc agtggttttg atgggctgga actttgcaact 540
tgatgtgttg taattcattt tctagagtct atgtcgtgaa ggtccttggg gtgatagagc 600
cttgaaaaa tgttgtttcc ctgtggatta tctaaactag atccaagaac atgaaagacc 660
atccctcagg gagctggcat ttgtctaaaa accancattn cctgggcat ttgattgggg 720
ntcttgettc actgcaaang ggggacttgc aaaattttac tnatgnccn nttgtntttt 780
ttntccaagg ggnntttana aaatttttct tnnnntttt ncnnaanacc cnttnnant 840
tntnttttnc nccccnttt ntntaacna nggggggntt ttnaacncc n 891

<210> 81
<211> 803
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(803)
<223> n is a, g, c, or t

<400> 81
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caactctctc ttcccacctg cccccaaac tcccttccac ctccctccac atgtatcctc 120
ccacttcctt ccactcatgt aatgagaggt gctgatgagt cacaggagag gtagccctag 180
ataaccaaca gactgcaaaa cggacagtcc ctggatgtct gagccagtgt ttgtgcactg 240
cattgactgg ctctcgtag ttttttctct tagttgctaa agcctgtaag gtctgtgtga 300
tgaatatttt ctaacacatc ttagaagaac ataatgcaag acagaatgaa aaactagaga 360
ggcagaaacc cccaaagtaa gtagtgggaa attaccaggt atataatagg tcaagcctgc 420

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tctgcaggag ctcaagggat tgtagcattc ttatcccaaa ccactgaatc ctgggcaaaa      480
ataagaagtc gcctaatttt agtattacca gcttcccaac cccgggcatt cttcatctta      540
ctcaagctgt ccagaggccc cagggtgact ccctataagt cccatgggtg gctgagatct      600
atttagaggg acaaggggat ctccttataa gtcccatggg tggctgagat ctatgagaag      660
catcttgggg agagtgcctc tggccaccag catgtggccc tgaatctttc atgtgcaact      720
ggccagggaa ggaaattatg gaaatagtca tcctgcacat ntgcaaatga gatgcaaac      780
ctggaagctc ttctaaaaaa aaa                                              803

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<210> 82
<211> 763
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(763)
<223> n is a, g, c, or t

<400> 82
tcgtgcttta cggatcgcgc gctcccgatt cgcagcgcac cgccttctat cgccttcttg      60
acgagttctt ctgagcggga ctctgggggt cgaaatgagc tagcccttaa gtaacgccat      120
tttgcaaggc atggaaaaat acataactga gaatagaaaa gttcagatcg aggtcaggaa      180
cagatggaac agggtcgacc ggtcgaccgg tcgaccctag agaaccatca gatgtttcca      240
gggtgcccc aaggacctgaa atgacctgtg gccttatattg aactaaccaa tcagttcgct      300
tctcgcttct gttcgcgcg cttctgctcc cgagctcaat aaaagagccc acaaccctc      360
actcggggcg ccagtcctcc gattgactga gtcgcccggg taccctgtga tccaataaac      420
cctcttgtag ttgcatccga cttgtgggtc cgctgttctt tgggagggtc tcctctgagt      480
gattgactac ccgtcagcgg ggggtctttca gtagcccttc cttttagtag aagacagaca      540
gatggtgatc caagagatac gcaagaagag gaccgtgtgt gtaatgggtg agctctaaaa      600
agagaaatca cttggatgga aatgaaggag aggaaaaggc tgatgtggat ggctgggaag      660
aggttcgatg gttaccttgg caaccgagct tctttctcat cccatccctt ccctagtcct      720
tgtcttaaaa gatttttttn tatgtccctt ccctcccaag ggg                      763

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<210> 83
<211> 861
<212> DNA
<213> Cercopithecus aethiops

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<220>
 <221> misc_feature
 <222> (1)..(861)
 <223> n is a, g, c, or t

<400> 83
 ttggggganc ctgtcagnac canttttact catatccgga tcctgaccta cattcagtgt 60
 tctagattga aatcacagat tttggataga gaaaaaaaaa tattctctgc aatctaataa 120
 aaccaacttt tttttttttt tttttttttt ttgagacaga gtcttgctcc atggcccagg 180
 ctagagtga gtagcacgat ctgggcttgc tgcaacctct gcctgtcggg ttcaaccgat 240
 tctctgcct cctgtctcct gccccagcct ntcaagtagc agggattaca ggcatgtgcc 300
 atgatgcca gctagttttt tgtattttta gtagagatgg ggtcttgcca tgttgcccag 360
 gctggacttg aactcctgac ctcaggtgat caggccatct tggcctccca aagtgttggg 420
 attacaggcg tgagccatcc tgcttgcca aaaccagcat attttatgga taggaaattg 480
 gaccaaaggc gaatctttta ttgcaggctg tgggnttttt ccatgtggct ggtggnacac 600
 tgcaccaagc agcacacaca ctaggccagt ttnctttgca gaccagttg caatcccatc 660
 ttnagccag gattctatta ggtctcnaca accnatggga atttagggng ctcanagntt 720
 nngggtggga aaaggggact aacctnctg ggttnanggn ttnnaantg gncnncnct 780
 ttggancngg ganatttatt nccaaaanng gnngggntng tnttngggnn anaaaccaa 840
 ttttgggaaa aaancntttt t 861

<210> 84
 <211> 767
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(767)
 <223> n is a, g, c, or t

<400> 84
 ggnattgncn agcggntaac aatttcacac agnaattccg tatttgaaat ttggggacaa 60
 tcgcttgaat cttaaaatta cttttctggt cagcgcgcc gaaggtctaa gcatttgtga 180
 aatgtctttt tcccccccc ccaccccttg atgctgttct ctttgggctg tcttaattac 240
 acaggggttg agaaaccaa ttaaaattag gcgtgtctgg tcaacagtga tcacgttgca 300
 tgcttttagc tttgcttggt gaagttgctt ctctccctg agtggctttc ctctttttt 360
 tttttttttt tttattttta aaaggaaata tcataagctc tttcagaaat actcacagga 420

agtgagtgtc cgtatgctgg ttactcacca gcaactgant gttggcaggt ggagaatgct 480
 accgcancn cccanacaga tctgcaaact ggcccnttnc agangatnaa aacagggtgc 540
 gtggaantan ggtttttggn naaangcant ttnaaagnaa atgggcactg cattnnnttc 600
 nagggggggg anttaagnaa cangnttggg gtnaaaaagn ncntgnttcc attnngngg 660
 tntctctcct ttnaaanggg nggnnggttt naaaaaaag ggcccccncnc cccanaaaaa 720
 aattttttgg nggaaaacct nccaaaaaaa anaccccn cn tttttgn 767

<210> 85
 <211> 761
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(761)
 <223> n is a, g, c, or t

<400> 85
 cngcttgcca acctacaggt ggggtctttc aaaatattgc gttacaaata tcattttggt 60
 gtatgtatgt caaaaccaa actgccttta tgtcaatatg ctgtaaaaat ctatcagaat 120
 atatcttaat tcttaacttt cattgttgtc tgtgggttgt cttgtataat tattatcaca 180
 tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag ggggaaaatg 240
 ccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag caagaactag 300
 tgaaatcaga aattgctgtc atacatactc acctgtgaat ggtcgtacaa aggatcccaa 360
 gcgcaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag gcaagtagaa 420
 atgccaaatg ccagcgtcc ctttncccag ctcattcttat ttgtaggcac tcagattttg 480
 gaatcctcca ggactaacat taaaaccca ctagggngtt tncctaatnc cgggaaanga 540
 gncagtaggn caaacaactt atccccncna nanaggaaca attccttgag ctccccncct 600
 gtttcngaaa cctntttccc ttntgggncc ctgnanaagg nctgccnaa tgctngggag 660
 nccncnggt tttnatgaaa accatntnaa aatnccnaa agttnccccc ccaaggnaan 720
 nttccnttta aanttttggg aaaaaaanc ccntnanaa n 761

<210> 86
 <211> 791
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(791)

<223> n is a, g, c, or t

<400> 86

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tnggggacca gcttgccaaa tctacaggtg gggctctttca aaatattgcg ttacaaatat      60
catttttggtg tatgtatgtc aaaacccaaaa ctgcctttat gtcaatatgc tgtaaaaatc      120
tatcagaata tatcttaatt ctttaactttc attgttgtct gtgggctgtc ttgtataacn      180
attatcacat ctacagtatt ttctgtaggt aaatatgaaa tgtattataa atgtaccagg      240
gggaaaatgc cctttaataa gcctttccct agacaaagca ccatttaggc gtttagaagc      300
aagaactagt gaaatcagaa attgctgtca tacatactca cctgtgaatg gtcgtacaaa      360
ggatcccaag cgcaggactt gtcctggaag cagaggatcg gattccacca ggaaaagagg      420
caagtagaaa tgccaaatgc cagcgctccc tttcccagc tcattcttatt tgtaggcact      480
cagatttttg aatcctccag gactaacaat aaaaaccaca ctaggttggt ttcttaattc      540
ctgtgaaatg agtcagtagg tcaaacaact tatccactcc agagagagaa caattccttg      600
agctacactc cctgtttcca gtaaccctat tccctctctg tgcctctgga taaagtgtg      660
ncnacaatgc atgganagcc cccgggttct gatgaaancn atngaaagat ngcanaaagt      720
agctgcctta aggggaangtt cccttngaaa ttaggnaaa aaaanccnnt aaaaanacng      780
gnggtcgggt t                                                    791

```

<210> 87

<211> 783

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(783)

<223> n is a, g, c, or t

<400> 87

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ttggggancca gcttgccaan tctacaggtg gggctctttca aaatattgcg ttacaaatat      60
catttttggtg tatgtatgtc aaaacccaaaa ctgcctttat gtcaatatgc tgtaaaaatc      120
tatcagaata tatcttaatt ctttaactttc attgttgtct gtggggtgtc ttgtataatt      180
attatcacat ctacagtatt ttctgtaggt aaatatgaaa tgtattataa atgtaccagg      240
gggaaaatgc cctttaataa gcctttccct agacaaagca ccatttaggc gtttagaagc      300
aagaactagt gaaatcagaa attgctgtca tacatactca cctgtgaatg gtcgtacaaa      360
ggatcccaag cgcaggactt gtcctggaag cagaggatcg gattccacca ggaaaagagg      420
caagtagaaa tgccaaatgc cagcgctccc tttcccagc tcattcttatt tgtaggcact      480
cagatttttg aatcctccag gactaacaat aaaaccacac taggtngggt tcctaattcc      540

```

tgtgaaatga gtcagtaggn caannantta tncnctccag agagagaaca attccttgng 600
ctacactccc tgtttcnnna acccnattnc ctttctgngn ccctgganaa aggggtgccc 660
anaatgcntg ggggnnncccc ccggnctcttg annaaaaacn tnttaaaaaan ngccnaaagt 720
ancctccttc nanggaagnt tcccccttta aattttnggn naaaaaaannc ccttnaanta 780
ann 783

<210> 88
<211> 769
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(769)
<223> n is a, g, c, or t

<400> 88
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aaacaaacat aactctttct ctttccttga aggggttaatg ctccaaccag cctcagattg 120
gttcgcttga atcttaaaat tacttttctg gtcacgcgcg ccgaaggctt aagcatttgt 180
gaaatgtctt ttttcccccc cccacccct tgatgctgtt ctctttgggc tgtcttaatt 240
acacaggggt tgagaaacca aattaaaatt aggcgtgtct ggtcaacagt gatcacgttg 300
catgctttta gctttgcttg ttgaagttgc ttctcctccc tgagtggctt tctcctttt 360
tttttttttt tttttatttt aaaaaggaaa tatcataagc tctttcagaa atactcacag 420
gaagtgagtg tccgtatgct gggtactcac cagcaactga gtgttggcag gtggagaatg 480
ctaccgcagc cgcccagaca gatctgcaga ctggcccccatt tgcagangat tagacacagg 540
gtgcgtggat catanggggt tttgtacaga aggcagtttt aagangaaan tgggcactgc 600
atgtcatctc nanggggngg tgattcangg ancanggctg ggggtnaaaa gcacctggct 660
gccattnngg agntcctgct aatttttaaa nggcagggtg gttttaaaaa aaaagctccc 720
cccccccaa aaannnttt tttggaggna naacttccaa aangaanga 769

<210> 89
<211> 754
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(754)
<223> n is a, g, c, or t

<400> 89
cagcttgcca acctacaggt ggggtctttc aaaatattgc gttacaaata tcatttttgt 60
gtatgtatgt caaaaccaa actgccttta tgtcaatatg ctgtaaaaat ctatcagaat 120
atatcttaat tcttaacttt cattgttgtc tgtgggttgt cttgtataat tattatcaca 180
tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag ggggaaaatg 240
ccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag caagaactag 300
tgaaatcaga aattgctgtc atacatactc acctgtgaat ggtcgtacaa aggatcccaa 360
gcgaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag gcaagtagaa 420
atgccaaatg ccagcgctcc ctttcccag ctcattttat ttgtaggcac tcagattttg 480
gaatcctcca ggactaacia taaaaaccac actagggtgt tttcctaatt cctgtgaaat 540
gagtcagtag gtcaaacaac ttatccactc cagagagaga acaattcctt gagctacact 600
ccctgtttnc agtaacccta ttcctctctt gtgtccctgg ataaagtgtc gcnacaatgc 660
atggggagnc caccgggttc tgaatgagac aatcgtaaan atngccaaaa nttagctgcc 720
ntcangggaa anttncntt tgaaatttaa gnaa 754

<210> 90
<211> 866
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(866)
<223> n is a, g, c, or t

<400> 90
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ttctagattg aaatcacaga ttttggatag agaaaaaaaa atattctctg caatctaata 120
aaaccaactt tttttttttt tttttttttt tttagagacag agtcttgctc catggcccag 180
gctagagtgc agtagcacga tctcggttg ctgcaacctc tgcctgtngg gttcaaccga 240
ttctcctgcc tctgtctcc tgccccagcc tntcaagtag cagggattac aggcatgtgc 300
catgatgccc agctagtttt ttgtattttt agtagagatg gggctctgcc atgttgccca 360
ggctggactt gaactcctga cctcaggtga tcaggccatc ttggcctccc aaagtgttgg 420
gattacaggc gtgagccatc ctgcctggcc aaaaccagca tatttttatgg ataggaaatt 480
gaggcttaga tggggggaga aaaacattac acagattaaa ccacagctaa tgtcaagtgg 540
tgaccaaagg cgaatctttt attgcaggct gtgggttttt ccatgtggct ggtggtacac 600

tgcaccaagc agcacacaca ctagggccagt ttcctttgca gaccagttg caatcccatc 660
 tntaanccag gatactatta ggtctcnaca ncctatggna ttttaggggtg ctcanagttt 720
 aggggtgggaa aaggggacta anctncttgg nttaaggtnt ntccactggn cctcnctttt 780
 nggnccnggg antttnatgc ccaaaancgg tngggcctttt ttgggggnan aannccaanc 840
 cnngggaaaa aaacnttttt gttang 866

<210> 91
 <211> 783
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(783)
 <223> n is a, g, c, or t

<400> 91
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 tcgcttgaat cttaaaatta cttttctggt cacgcgcgcc gaaggctctaa gcatttgtga 180
 aatgtctttt tcccccccc ccacccttg atgctgttct ctttgggctg tcttaattac 240
 acaggggttg agaaaccaa ttaaaattag gcgtgtctgg tcaacagtga tcacgttgca 300
 tgcttttagc tttgcttggt gaagttgctt ctctccctg agtggcttct ctctttttt 360
 tttttttttt tttattttta aaaggaaata tcataagctc tttcagaaat actcacagga 420
 agtgagtgtc cgtatgctgg ttactacca gcaactgagt gttggcaggt ggagaatgct 480
 accgcagccg cccagacaga tctgcagact ggccccattg cagaggatta gacacagggt 540
 gcgtggatca tanggttttt gtacagaagg cagttttaag aggaaattgg tcaactgcatg 600
 tcatctcgag ggggtggtgat tcaaggagca gggctngggg gtcanaangc acntggctgc 660
 catctcgggg gttcctgctc acttntnaaa gggcaggctg gcttntaaaa anaaatgctn 720
 ccttcacccc caaanaggga ttttttttgc agngaataac ttcccaaaaa tgaatngccc 780
 cna 783

<210> 92
 <211> 775
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(775)

<223> n is a, g, c, or t

<400> 92

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ctatcagaat atatcttaat tcttaacttt cattgttgtc tgtgggttgt cttgtataat	180
tattatcaca tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag	240
ggggaaaatg cccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag	300
caagaactag tgaaatcaga aattgctgtc atacatactc acctgtgaat ggctgtacaa	360
aggatcccaa gcgcaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag	420
gcaagtagaa atgccaaatg ccagcgctcc ctttccccag ctcactttat ttgtaggcac	480
tcagattttg gaatcctcca ggactaacia taaaaaccac actaggttgt tttcctaatt	540
cctgtgaaat gagtcagtag gtcaaacaac ttatccactc cagagagaga acaattcctt	600
gagctacact ccctgtttcc agtaacccta ttccctctct gtgtccctgg ataaagtgt	660
gccaanaatg catggagagn cccccgggtt ttgaatgana cccatcgtaa agatngccaa	720
aagntagctg ccttcaaggg aagttncnt ttganattta gnagaaaaag tccnt	775

<210> 93

<211> 837

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(837)

<223> n is a, g, c, or t

<400> 93

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tctatcagaa tatatcttaa ttcttaactt tcattgttgt ctgtgggttg tcttgtataa	180
ttattatcac atctacagta ttttctgtag gtaaatatga aatgtattat aaatgtacca	240
gggggaaaat gccctttaat aagcctttcc ctagacaaag caccatttag gcgtttagaa	300
gcaagaacta gtgaaatcag aaattgctgt catacatact cacctgtgaa tggctgtaca	360
aaggatccca agcgcaggac ttgtcctgga agcagaggat cggattccac caggaaaaga	420
ggcaagtaga aatgccaaat gccagcgctc cctttnccca gctcatctta tttgtaggca	480
ctcagatttt ggaatcctcc aggactaaca ntaaaacccc actagggggg ttnncnnantc	540
ctgngaaatg agtcagtagg ncaaacannt ttnncntcca nanannnaan antcctntgg	600

ntacnctccc tgnttcagna acccnattcc ctncntgggn ccnggnaaaa gggcgnccca 660
aatggnnnggg ngncccccgg nttnnanga aacccatnnt aaaattnccc aaaantttnc 720
nccccnnann gaaannnncc nttttaaatt ttngganaaa aaancccnt naaaaaaana 780
ngggggcggn tttnttttn aaagaaanaa anattttttt ttnggggagg ggttnnt 837

<210> 94
<211> 837
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(837)
<223> n is a, g, c, or t

<400> 94
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ccaacttttt tttttttttt tttttttttt gagacagagt cttgctccat ggcccaggct 180
agagtgcagt agcacgatct cggcttgctg caacctctgc ctgtcgggtt caaccgatc 240
tctgcctcc tgtctcctgc cccagcctct caagtagcag ggattacagg catgtgccat 300
gatgcccagc tagttttttg tatttttagt agagatgggg tcttgccatg ttgcccaggc 360
tggacttgaa ctctgacct caggtgatca ggccatcttg gcctcccaa gtgttgggat 420
tacaggcggtg agccatcctg cctggccaaa accagcatat tttatggata ggaaattgag 480
gcttagatgg ggggggaaaa ancntnccc aaattaancc acagcttatg tnaagtgggtg 540

gncccaggcg gncnnnctt tggncnttt tcttttgaa ccngntgca atcccccttt 660
taanccggga atcttttggg tttcncccc cttgggnatt nngggggccc caanttnngn 720
nggggnaagg gnaaaaaacc cctttggntn agggntttaa aangggcccc ccctttggnc 780
cngggntttt tntnccnaan ngggnggggt tttttgngg annaacnncn acnnggn 837

<210> 95
<211> 812
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(812)
<223> n is a, g, c, or t

<400> 95
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 tcgcttgaat cttaaaatta cttttctggt cagcgcgcc gaagggtctaa gcatttgtga 180
 acaggggttg agaaaccaa ttaaaattag gcgtgtctgg tcaacagtga tcacgttgca 300
 tgcttttagc tttgcttggt gaagttgctt ctctccctg agtggtttc ctctttttt 360
 tttttttttt tttattttaa aaaggaaata tcataagctc tttcagaaat actcacagga 420
 agtgagtgtc cgtatgctgg ttactcacca gcaactgagt gttggcaggt ggagaatgct 480
 accgcagccg ccagacaga tctgcagact ggccccattg cagaggatta gacacagggt 540
 gcgtggatca tagggttttt gtacagaagg cagttttaag angaaattgg tcaactgcatg 600
 tcactctgag ggggtggtgat tcanggagca gggctggggg tcanaangca cgtggctgca 660
 tctcgngggt nctgctcant tttaaaggn ngctggnttt aaaaataang ntncttcacc 720
 ccaaaangaa ttttttgag gnaaannttc naaaaganna ccnntttt tgnnaaaacn 780
 tgggaaancc ccttttnaan gnggnttta an 812

<210> 96
 <211> 805
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(805)
 <223> n is a, g, c, or t

<400> 96
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 cattttggtg tatgtatgtc aaaacccaaa ctgcctttat gtcaatatgc tgtaaaaatc 120
 tatcagaata tatcttaatt cttaactttc attgttgtct gtgggttggtc ttgtataatt 180
 attatcacat ctacagtatt ttctgtaggt aaatatgaaa tgtattataa atgtaccagg 240
 gggaaaatgc cctttaataa gcctttccct agacaaagca ccatttaggc gtttagaagc 300
 aagaactagt gaaatcagaa attgctgtca tacatactca cctgtgaatg gtcgtacaaa 360
 ggatcccaag cgcaggactt gtcttgaag cagaggatcg gattccacca ggaaaagagg 420
 caagtagaaa tgccaaatgc cagcgctccc tttcccagc tcactttatt tgtaggcact 480
 cagattttgg aatcctccag gactaacaat aaaaaccaca ctaggttggtt ttcctaattc 540
 ctgtgaaatg agtcagtagg tcaaanaact tatccactcc agagagngaa caattccttg 600

agctacactc cctgtttcag naaccctatt ccctctctgg gtccctggat aaagggctgc 660
 cacaatgcat ggggagcccc cnggntnttg atggnaacac tcntaaaaat tgccaaaagn 720
 tnnctgctn aangaaaant nccctttnaa tttttggana aaaaanccct tnaanaaacn 780
 ggggggcggt ttttcnttaa agaaa 805

<210> 97
 <211> 854
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(854)
 <223> n is a, g, c, or t

<400> 97
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 tcatttttgt gtatgtatgt caaaaccaa actgccttta tgtcaatatg ctgtaaaaat 120
 ctatcagaat atatcttaat tcttaacttt cattgttggtc tgtgggttgt cttgtataat 180
 tattatcaca tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag 240
 ggggaaaatg ccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag 300
 caagaactag tgaaatcaga aattgctgtc atacatactc acctgtgaat ggtcgtacaa 360
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 gcaagtagaa atgccaaatg ccagcgctcc ctttccccag ctcatcttat ttgtaggcac 480
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 gagctacact nccgtnttcc agtaacccta ttccctctct gggtccttgg ataaagggct 660
 gccnacaatg catngggggg cccccgggt tntgaangaa aanntntntt aaaaatngcc 720
 aaaaanatac tncctcaan ggnnannnnc cccttttnaa ntttttgggn aaaaaaaanc 780
 cccntnaaaa aananagggg gggnggnttt ttttttnnaa aanaanaann aanntttttt 840
 tttggggnan annt 854

<210> 98
 <211> 912
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(912)

<223> n is a, g, c, or t

<400> 98

ttttgttggt ggggnntgna gcgncggctn aacttttttg cacacagaaa ntcacaggaa	60
cacaggagtc agttttcttca gcaangtctt gcttgctcng ttntgaacgg taggatnttg	120
tcgctatatt tgnacacatg agggacctnt gtggagcttc caaatagtgc gctnggcgca	180
atatnnacaa ganacagccc ttagcgantg gcttggtgnt gggngagatg ntgctctgtg	240
ngatgaattn acanatcaca gagttttttt tttgnntgct tgtttcctgt tntnaacggt	300
ggatttgtgn ttttggacca tgggatntct atgggctnan agangtccta tgtnggaata	360
nggcaatgta ctgcctttna naactggaat gangctnggt gagaanctgc tctgtgttct	420
gtganttcg tactntgaaa tttggggacn aacaaacata nctctttttt cttttccttg	480
aagggnaat tgctccaacc ccgccncaga ttgggntngc ttgaatctta naattncttt	540
tctggctccg ccgcccgang gntnagcttt tgnghaaatg gtnttttttc cccccccca	600
ccccttgggt gngggtnntt ttgggcttgg nnttnanntn cccccggggg nntngnnnna	660
ccnatttttn attttgggnn nttttgggnc ncanggggtc cnnnnnnnnn gncntnnann	720
cttggcttgn nngaangntg nttntcccc cccggggggg tccccccnt tttttttttt	780
ttnttttttt ttttnagggg antttntng tcttttttna annncncgg gntggggggn	840
tcnntttttt gtttttnncn nnnnttgggn nngggggggg gganntttct ctnnnncccc	900
cnnnnttttn gc	912

<210> 99

<211> 807

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(807)

<223> n is a, g, c, or t

<400> 99

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gtatgtatgt caaaaccaa actgccttta tgtcaatatg ctgtaaaaat ctatcagaat	120
atatcttaat tcttaacttt cattgttgtc tgtgggttgt cttgtataat tattatcaca	180
tctacagtat tttctgtagg taaatatgaa atgtattata aatgtaccag ggggaaaatg	240
ccctttaata agcctttccc tagacaaagc accatttagg cgtttagaag caagaactag	300
tgaaatcaga aattgctgtc atacatactc acctgtgaat ggtcgtacaa aggatcccaa	360
gcgcaggact tgtcctggaa gcagaggatc ggattccacc aggaaaagag gcaagtagaa	420

atgccaaatg ccagcgctcc ctttnccag ctcatttat ttgtaggcac tcagattttg 480
 gaatcctcca ggactaacan taaaacccca ctaggttgnt ttcctaattc ctgtgaaatg 540
 agtcagtagg tcaaanannt ttncnctcca ganaggaaca attccttgag ctanctccct 600
 gtttcaggaa ccctattccc ttntgggncc ctggaaaang gctgccacan tgctgggaag 660
 cccccgggtt tnaangnaaa aatcnnaaaa ttgccaaaan tancnncccn agggngngtn 720
 cccttanant tttnngaaaa aancccnta aaaaancngg gngcgnnttt tnttaaaana 780
 aaanaaattt ttnttngggn gnttttn 807

<210> 100
 <211> 814
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(614)
 <223> n is a, g, c, or t

<220>
 <221> misc_feature
 <222> (1)..(814)
 <223> n is a, g, c, or t

<400> 100
 ttggnattgn ccagcggnta acaatttcac acagnaattc caggcacagt tggtgttaa 60
 ctagaatagt aagtggcttc ctaggctctg tcaactcctaa actgtagggg gcttccagcc 120
 tcggagatta cggaagtagt acttttcatt agcaagctca agaagaagtg tcaaaatagg 180
 atgacacttt cctagtcgct ctgcaaaaac ccaaaaaacc agaaggggtg tcacttagac 240
 actcctaagt ctatgcaggt gtcagcctgc cctcaccctaa caccagccag cagcgtgcac 300
 cattcaacca tatcttaact tgccccttac aaattgacac ttactactaac aagccctttg 360
 atctcatttg tttaaaatga cagatatata accctcacgg gggttccac tcaaggcctt 420
 ncagcctncg nccgtcccct gnccaccccc aaacctacac acgtgttagc ccgacaccgg 480
 cccacccggg tcccacgtgc acctggtcta acacactncc cagtggtggg cgcgccacgg 540
 gctttctnan gtagctgang gnccccccat gacccccggt tntccaaaan aaaaaaacgg 600
 gaaggacaag ggcccttttc nccngngncc caacntngg gggggngngt ccaaccctt 660
 tnttnntat aaaccccaaa aanananaag ggccccgggn ccccccccc ccttnaaaaa 720
 nccccncccc cnttttnccc ccnnaaaaaa nggggggaaa aaaaaaattt aaaaaaannc 780
 nttttttnt tttncccccc ccnncatnta nata 814

<210> 101

<211> 756
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(756)
<223> n is a, g, c, or t

<400> 101

tggtcccaga gtctaaatag gagccccaaa ctaatcactg tatggtagtc gaacttccccg	120
gcacttcccc gacaatctac aaccccatcc aaaggggtca gaaactggta ataaaatacc	180
agctatgagc ctntccttcc cctcaagaga tctatcaatt cggcctcacc tccccacctc	240
tagcctgcgg gaacaaacat cccaggatcc cgggcgggtt cgattgacgt tacttccggg	300
aaaagtaacc ttgcttcggc ggttgcgggc ctgaaaagct ctgcgcacat ttctccccgc	360
nagatctgct tgctcactgt agcgatgaca tcctcctcct cctccccgcc gcctttcggc	420
aatcttcgcc agtcccagcc ccgaccaatc tgtactcaga tggcatggat caggggtctcc	480
cctcgaaccc cggttcgcac ggggcgtcag gtggcagcgg cgggggtgcga gctgcgcgag	540
gccnacngca gcggcactgc ggggtggccng gggcaggcca caagcantga ntgtnggccg	600
ggccgggggn aaccaccccg ngtagcggct cnantgnttc tggcctggct ttngngccct	660
tttctcccc cncanggggt tcccgggnnc ctgttncgnt tcttttaann ggggaaaggg	720
gcccccccc cccngncca angcccnnn acnnnt	756

<210> 102
<211> 804
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(804)
<223> n is a, g, c, or t

<400> 102

tgggntgncc agcggntaac antttcacac agaattccaa ttatggggaa caagacatct	60
gaattggcta aaactccttg cagcagcaaa aaggaaaagc aaaacaaaac catacatgtg	120
gtttctgtct ttgcttcctg tcttttcttc cacttactc ctcttcccc tcccccttcc	180
ccttccccctt ccccatcttt gctacaaaa aaaaatctag agaagccttc tattaacctg	240
aacccttaa agaagtcaga acaaaggcac cacttgccgc tttttgggat gtcgtgtttt	300
ctttatggag ttttcaagag taatgggcag atgcttttag gtctacagtt ctgctttcct	360

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gtattgcact acctgattct ttgacttttg gagataccag aaattacctt gtaccatgag      420
aggatttggc tttggcatgt gtaatggcag atgagagcta caaagttaag agtgggctgaa      480
gatggtttac atgaagtggc cttaggtggc ttagctgagc tcccaggaag ttgttgtcta      540
ggatcccaat tctagttcag aggtgcattc ctattattat tatcattact attgggtggcg      600
ntgntattat tttgagacag agtcttgctc tgttaccca ggctggagtc ctctggcacc      660
attacgggtn actggagcct naanttcag gctncagaga tcctcctttt annttcnnag      720
tagtgggacn canangnngg nccccccaa cnnannnatt tttgnncttt tgnaanaann      780
gggtttgntt tttngncnnn ntgn                                             804

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<210> 103
<211> 795
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(795)
<223> n is a, g, c, or t

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<400> 103
ggnattgncn agcggntaac aatttcacac agnaattctg gagttagggt gtctgggcta      60
ttcaattagt ttctatgtgt ctgacacatg gcagaaactt attaaatgct tgaatgaata      120
cataaagcaa gatgacagtt tcagaatgna ccaggtaatt caaagtactg aatccatatt      180
aaatttattt tagtctacac agaagtgaag taacactaaa atctgggcat ttaccagggtg      240
atggcaagta ttcatttcca tcatccagcc cgttacctgg cacatagtta ctgccctatg      300
taaagtctta tcacagcaat caatcaatga aatgtttttc tcatagagtt cgggtgaataa      360
ctcacgacag catactcaca gaggattcaa agagtatttg acttgtatat attgttttaa      420
acagttggaa cctgataatg cagttttcta aaatacagtg aaagggcttg tcctaaaggg      480
catgtcagga tatgtgtgag aaaggatgaa cttgtcctgt gaagacaacc ttgcattagc      540
tctagcagaa tgagccattg cctacctggg ctggggaagg cggcacctca gtatctccct      600
cacctgctcc ctggcacttt aaatccctct gtgaagangt cagttgtaat tttcagtaag      660
attgaagggt tcaaagcact gaccctggg gggaatggat tngcttaagt tggctctgaa      720
ngaagnggct gggatnngct ntctganaaa cccgggattg tgaggnaatg gagacngccg      780
ggagggttna anaaa                                                         795

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<210> 104
<211> 641
<212> DNA

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<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(641)

<223> n is a, g, c, or t

<400> 104

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tgggggnacc cagcggntaa cattttcaca cagaaatctc attcaatgaa ctgttatggg      60
gtctcacatt gtaccaggca ctggggattc agcttccagt tcatagtctg catgcaaacc      120
gacatgcagg tagacatgca gacagaaaat cggaacgcaa cacggtaagt gctatgctag      180
agaatgagaa ggactgtcag taatcacaac cacctttcac tgggttcctt cagtgtgccca      240
ggctcgtgta cattattttg tttagtgtc acaattgtat ggactgtgta ctatcatttg      300
ccagattata tggatgaaga aactagactg aggggggttaa ataactcgtc caagatcatg      360
cagacaaaaa accacagaga ttattttcca atacaaactc tctggctgta cagctcaagt      420
tcttaaacac tgggccaacc agtctgaatc tgagaggagg cattctaagg cttacaggta      480
agtgggaatt gaaagggttg aggggaagcct tctggaggag atgccattac actgaatggt      540
gaatgagtag gagttagcta tctccagagg ggtagtggct gtgaaggggc gaggggtana      600
gggtgggaag gggatgatgg aaggtggtag agtggnnaca g                               641

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<210> 105

<211> 757

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(757)

<223> n is a, g, c, or t

<400> 105

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cngncttgcc aacctacagg tggggctctt caagatctgc tgacagtgaa gctaaatctg      60
gcggaagcaa aggattcact ttctcataat ggattaactc atcctatttg cctcttaaac      120
aatgggtatt ttaaagacag aagttgaagg aagtccaagt atccaatttt aaggatgcct      180
attagagcag ttataagaga gtgtctctct ttctctctct tctttcttct tcttggtagg      240
agtatgcagg aggtcattta aaagccagat agtgatacaa atcacaatgc agaaaaacat      300
ccccgtggac tcttcctgt cctatgtttg acattcttaa aatctatgtc ccaggctctg      360
aaatctttta ataatctacc atgttctttg gcctgccctg ggaaatctat ttcagtacca      420
gagctatgct ggttacacac cttttctgac tcatgttccc aagtgatttt attccagata      480
cgatttgggg acagttacgt gtactgttct gatattcttc taaaaggaaa ttatttttgg      540

```

aagtaaagtc actgataaaa tcanctcagg aaaatgcact ttgtaaatat taaaatataa 600
acttttttnaa ggncntgctg gaaaanacta attgattttc ctgggnagca gttccatnga 660
acancgatng atcttttaggg ggnagtgaan ggcccnatt tgaaaaangg gggcgggaaa 720
ngttcaaata ntttttccaa angggnnct anntnnt 757

<210> 106
<211> 640
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(640)
<223> n is a, g, c, or t

<400> 106
ttggggnanc gagcggntaa cattttcaca cagaaattca ttcaatgaac tgttatgggg 60
tctcacattg taccaggcac tggggattca gcttcagtt catagtctgc atgcaaaccg 120
acatgcaggt agacatgcag acagaaaatc ggaacgcaac acggttaagt ctatgctaga 180
gaatgagaag gactgtcagt aatcacaacc acctttcact gggttccttc agtgtgccag 240
gctcgtgtac attattttgt ttagtgctca caattgtatg gactgtgtac tatcatttgc 300
cagattatat ggatgaagaa actagactga gggggttaaa taactcgtcc aagatcatgc 360
agacaaaaaa ccacagagat tatttttccaa tacaaactct ctggctgtac agctcaagtt 420
cttaaactact gggccaacca gtctgaatct gagaggagc attctaaggc ttacaggtaa 480
gtgggaattg aaagggttga gggaagcctt ctggaggaga tgccattaca ctgaatgttg 540
aatgagtagg agttagctat ctccanaggg gtagtggctg tgaangggcn aggggtaaag 600
ggtgggaagg ggatnatgga aggggttnaa tngggnnng 640

<210> 107
<211> 818
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(818)
<223> n is a, g, c, or t

<400> 107
ttggggacca gcttgccaat tctacagggt ggggtctttca agatctgctg acagtgaagc 60
taaactctggc ggaagcaaag gattcacttt ctcataatgg attaaactcat cctatttgcc 120

tcttaaaciaa tgggtatattt aaagacagaa gttgaaggaa gtccaagtat ccaatttttaa	180
ggatgcctat tagagcagtt ataagagagt gtctctcttt ctctctcttc tttctttctc	240
ttggtaggag tatgcaggag gtcattttaa agccagatag tgatacaaat cacaatgcag	300
aaaaacatcc ccgtggactc ctccctgtcc tatgtttgac attcttaaaa tctatgtccc	360
aggtcttgaa atctttaaat aatctaccat gttctttggc ctgccctggg aaatctattt	420
cagtaccaga gctatgctgg ttacacacct tttctgactc atgttcccaa gtgattttat	480
tccagatagc atttggggac agttacgtgt actgttctga tatcttccta aaaggaaatt	540
atthttggaag taaagtcact gataaaatca actcaggaaa atgcactttg taaatattaa	600
aatataaaca ttattaaagg ccatgctgta aaaataactaa ttgattttcc tgggtagcag	660
ttacaataga acancgatng atctctaagg ggagagtgaaggaggacctcan tttganaaac	720
gtgaggcagg aaaagnttca aatnattatt tncaanaggg ntccctaagt tgttncttaa	780
anaaaatttt tttcntnaaa aaaaaacnnt aanggccca	818

<210> 108
 <211> 608
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(608)
 <223> n is a, g, c, or t

<400> 108	
ttgggaccct gtcagaccan ttttactcat atcggatccc ctgaggctcg gagatcaaga	60
ccaccctggc caacatgggtg aaaccctgtc tctactaaaa tacaaaaatt agccaggcgt	120
gggtggcaggc gcctgtaatc ccagctactc aaaggctgag gcaggagaat cgcttgaacc	180
taggaggcag aggtggaagt gagccgagat cataccactg cactccagcc tgggcatcag	240
agccagactc tgtcgcaaaa aaaaaaaaaa aaaaaaaaaa attagctacc tctcccatcc	300
anaaatgaga gtcgaggctt ctgacttccc gggctcaatt tatcctccc cctcagcctc	360
ttgaggaact gggactacag acgtgcacta tcacacttgg ctaatttttt tgagatgatg	420
tcttgctctg tgcccaggct ggagtacagt gacacaatct cagctcactg caacctccgc	480
ctnctgggtt caaccgatcc tnttgcttca gcctcccaag tagctgggat tacaggcgtg	540
ccccacaacg tccagntatt tttgtatttn aagnagagac nggggnnncc cctgttggnc	600
ngggnggg	608

<210> 109

<211> 516
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(516)
 <223> n is a, g, c, or t

<400> 109
 ngggancctg nccagnacct ttttactgca tateggatcc tgagaagctc ctgattttcc 60
 ctcaagccta aggcaaagta gtattcagaa cctcctatcc cactgactcc gagagcctgt 120
 cctccgatat ctccaagaga gcctatcctc cgataggagg ggaagcccct ccaacctgca 180
 ggtatcctcc ccagactcac catttctccc accccacact ggtggcttcc aaactttccc 240
 tctcataaca aggcgccttg tcaccagac tgcttcctc ggcttgagga ggaggggaag 300
 gcgcacgaag taggaaggaa cttggggaga gggcgggcgg aggggtggcg aagcactgag 360
 gggagggcgg tgaagaaggc agaagtcagg cagtgagagg gagaagcggc gggggcaggt 420
 gagggcgggg gagtggggat ggggccgggg aaaggggccg agaggacgcg gagggggcag 480
 aggtagggna caggagggga ggggaggggg agggcc 516

<210> 110
 <211> 802
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(802)
 <223> n is a, g, c, or t

<400> 110
 tnnggggaacc tgccagacct tttttactca tateggatcc ttattgcctg gctatttcag 60
 cctgggaggg gtttggctgg aatatccctg gggaggcagg ctctcagggc taaaatagtg 120
 ggagaaaaga ttaaaccctt aggaactgg tacacatcag cgctaagtgt gactcaggga 180
 gaaacaagaa ctaggacact tattactcca aaggagtgt atttggttca actcttgat 240
 tttcttatta aaacttttgc aaagtgggtt gagaagaaag tgttacttcc agtgttacac 300
 cctcaacact ttttcctgtg gagactccag catgttcatt atgttttctg aagccatggc 360
 actgtagtac tctttcattg ttgttattat tatttaataa tataaaatga gacatttttg 420
 ctccattttt cattcatatt ttgtcctaa ttacttttta aatatattct ggtgtcaggt 480
 caatatttat agtctaacgt ttaagactta gactttgggt cttaggatgt tatttttgaa 540
 tcagctgcgt ctggtaagggt aatagatatt gaaagtgcct tgtaaattgt ccagtggcat 600

aaaagtattg tcatatcttt atgacataaa agaaaantgt tttcttcttt ttagcatgga 660
 aaactttaca anccatttgc tgggtgaacngg ngangncctn ggggttgatg ttcattgattt 720
 tgggggtccct tgagggtcca aantacntt ctaanagnngg aaanttttca nnaattcatg 780
 antgncctna ttnaaanann tt 802

<210> 111
 <211> 851
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(851)
 <223> n is a, g, c, or t

<400> 111
 tacttttttt tgggggnncc aagncggnta acattttcac acagaaatct ccaagttccn 60
 naggaccgca gnatcctccc cagaaccct gngaccaagt cactgtgggt ggntgtgctg 120
 ggcattccctg agggccagcc actcaacttt actggctcca ggattctata gaaagggaaa 180
 ggggtagaaa atctcaaaag gcttcttctt ttcagggagg gggttccctc tcagcggctt 240
 ctggaatctc taccactcc agccgacttt tgaggccatg tggctctgga acaaggcccc 300
 tctgagggcg gcagatgggg caggcggccc aggcacacag catggttggc tctgcggccc 360
 agggcccaca aaagccttat tgagtcacca ccagcccccg gcagaggctg aggtggcagt 420
 ggcgcccagc gcctgccacc taatgactgt cctggcacag ccagatgttc cgcagacctc 480
 cggagcagcg ggaccaaggg cccgcccggg ccagccggca ccngannagg ccacttttaa 540
 tttccaatta accagntttc agnntgancn aaanaggggg gcagtnggtg gnccaccccc 600
 cgggcnagta ngccccggcc cnaaaannc cttncgaagt tntaanactn ccanatntga 660
 aaccnccacc nccngaatt ccnatggaa aaantggccc ccagccangg gcaagggnnt 720
 gggncctttc ttttctttgg aaaaggaaat tttggtntt ttnacnaagg cccccaang 780
 aaccccnatt t 851

<210> 112
 <211> 773
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(773)

<223> n is a, g, c, or t

<400> 112

cagcttgcca antttacagg tgggantctt tcaagagcag taaaacgacc tatccaagga	60
aactcagcta gtaaaggcag ggacagggtg tgcaggctc tcggaactca cgagtcctccg	120
ccaggcgcat ggccgctcct ttcccccggt gggcgtggcc aggccaggcc cgtccctcc	180
cctgagcgcg ttctggcag cccggccggc cgttttctgc ctgcgtcgct gggcgcgcg	240
gcgggcgggc agcccatctg gcggcccccg cggggcggcg cggggaggcg gccagactt	300
gctggagcca ggcgctgcc cgggggcccc cctgcccgcc tggagaacct aggtgtggcc	360
gcggcggggg tggggggtgg tgctttcctt cccgctcgct cggctcttnc tgacgcacga	420
gggcaggatg cagcctctc ccgtcctctc ctggcctcc gcctcccgcg ccctggccc	480
gaatcctgga gggaatccaa acgcggggcg gggaggccgg ggcaggcccc tgaggccccg	540
cccctgatag ccatttaata ccaccgcaag tcttgaccgt atttttgggg tgaccanct	600
tccctgcttg ggcaagacca gctgaactct gacctnctgg anggccgatt ttaccttgc	660
cctcaggac ccnaaatga tcgtaggaac cngnntcact actgctgtaa gccanancgc	720
ttganatatn caattattca gcggnntcaa gtcccgaag cggnttttna cna	773

<210> 113

<211> 807

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(807)

<223> n is a, g, c, or t

<400> 113

ttggggtgc gagcgntaa cantttcaca cagaattctt cagtgaattt cttagccct	60
gagcatcttc tttgtattct gctttaagaa cttgtttgtt tctgtatttc atactcagt	120
gctctggcgc ttggatgcc tgggtcccaca gaaggccttg aatactgaat ctgaggatgg	180
ggcttgctta taaggacctt actccctgtc ttaaccagat tgtgttttaa cctttcatct	240
cactttttac ttttcattca tggatagtgt ttgtcactgt gtgtgtgtgt gtgtgtgtat	300
gaatgagtga atgaatatct ctacactct aaattctttt aaaggcagga agtactgttc	360
tcttgtttgc tattttatcc actctgcctc tactgggtct ggcacataat aaagaaagaa	420
tgaacaggac aaacacccat tctgaaagtg aacttctctg gcaattgtcg tttgtacata	480
ccagctggag catagacaat tggcttttaa tgtggtaagg gaaaaggcca aaaaaagaat	540
cgtcattgac caagggttc accagatgat tttataatca ntccnaaagg gnttttnaan	600

```

aaaaaaggcc ttngaggaac aaatttnttc cnnntggaaa antgntttna aattttntn      660
gaaaaagttt tnanaatttt tgnaaaaccc ccnccccnnt gaaaacntnt aaancnngna      720
annngnnnng ggcgggggtt naaaaaaaaa aantncccccc cnnnnaanng ggnctttnaa      780
aaannnnngn ntntctaaaaa aangggg                                           807

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<210> 114
<211> 836
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(836)
<223> n is a, g, c, or t

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<400> 114
ttgggggacca gcttgccaan tctacagggtg gggctctttca gtatgtgtca agagtcagaa      60
tttaaagaag ataagaaaat taaatacact gagaacaatg catctcntga cattcaaaat      120
atgtaagtgc agcaaccagc agtaattcca taggcctttt atcaaccttt gccaaaacct      180
ataaaaagaa tatctaaaat tgctttttta tgaaagtcc tatttattct tgtttccctt      240
accagagagc ctgctttccc cttactgatg agaacacagg gggtcctggg taaagagtcc      300
ataanattta aaaaggagta tgccttggcc tcccatgacc ctcttacttc acaataaggc      360
catcttttac ctgggttaga tttgcagact aggtccatta gatacgttgt cattaaatac      420
ctatactata ccctaataat tgtaatcttg acagggtatta ttttcatttt atagacagat      480
ctaggaaaat tacatgactt atcggaatcc cttcaaatat cacagagcaa agtcatgatt      540
ttaacttggtg tttgccactc tgaaactcac actggaattc gagactagtg tgcgtaacat      600
ggcgaaaccc catctctatt tntntttttc aaaatntntt tttccaaaat ttgctggggg      660
tgttggtgtg tgctgtant ncagcctnct tgggaggctn aanngngnga cngcttgacc      720
ctgggngnaa aggctaaatn gnctttnttn gccctggan ttaaccnngg ggaaaaangg      780
aaccctnttc aaaataaatt ttaaattaa naangccnag gtttcccnna aaaaat          836

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<210> 115
<211> 839
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(839)
<223> n is a, g, c, or t

```

```

<400> 115
ttgggananc gagcggnntaa catttttcaca cagaantcca gtgtgagttt cagagtggca      60
aacacaagtt aaaatcatga ctttgctctg tgatatttga agggattccg ataagtcattg      120
taattttcct agatctgtct ataaaaatgaa aataatacct gtcaagatta caaatattag      180
ggtatagtat aggtatttaa tgacaacnta tctaattggac ctagtctgca aatctaaacc      240
aggtaaaaga tggccttatt gtgaagtaag aggggtcatgg gagggccaagg catactcctt      300
tttaaatttt atggactcct taccaggagc cccctgtgtt ctcatcagta aggggaaagc      360
aggctctctg gtaagggaaa caagaataaa taggaacttt cataaaaaag caattttaga      420
tattcttttt ataggttttg gcaaagggtg ataaaaggcc tatggaatta ctgctgggtg      480
ctgcacttac atattttgaa tgtcttgaga tgcattgttc tcagtgtatt taattttcct      540
atcttcttta aattctgact cttgacacat actgaaagac cccacctgta ggtttgga      600
gctagctgag gatcgtttcg catgattgaa caagatggat tgcacgctgg ttctccggcc      660
gcttgggtgg agaggctatt cggtatgac tgggcacaca gacantcggg tgctctgatg      720
ccgccgtgtt cggtgtcan cncagggcnc ccgntttttt tgnaanaccn nctgnccggg      780
ccctnatgaa ctgnngacaa ggcacccggt ttntnggttg ncnaaanggn gtttnttgc      839

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<210> 116
<211> 815
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(815)
<223> n is a, g, c, or t

```

```

<400> 116
tnnggggacca gcttgccant tctacagggtg gggctctttca gtatgtgtca agagtcagaa      60
tttaaagaag ataagaaaat taaatacact gagaacaatg catctcaaga cattcaaaat      120
atgtaagtgc agcaaccagc agtaattcca taggcctttt atcaaccttt gccaaaacct      180
ataaaaagaa tatctaaaat tgctttttta tgaaagttcc tatttattct tgtttccctt      240
accagagagc ctgctttccc cttactgatg agaacacagg gggctcctggg taaagagtcc      300
ataaaattta aaaaggagta tgccttggcc tcccatgacc ctcttacttc acaataaggc      360
catcttttac ctggttttaga tttgcagact aggtccatta gatacgttgt cattaaatac      420
ctatactata ccctaattatt tgtaatcttg acagggtatta ttttcatttt atagacagat      480
ctaggaaaat tacatgactt atcggaatcc cttcaaatat cacagagcaa agtcatgatt      540
ttaacttggtg tttgncactc tgaaactcac actggaattn tgnggggaaat nntatccgnt      600

```

canaattccc ccnacatgag cgtnanaccc cgaaaaaaga acaangatnt ttttgaacc 660
 ntttttttttg gggnaannng gngnngnaaa aaaaaaccnc cnntncnacg ggggtttgtt 720
 ggcggananaan aacnccacct tttttccnaa ggaaangntt tnaaaangcg aanacaaaaa 780
 ntgtcntttt gnnnggccgg gttggncnccn cttna 815

<210> 117
 <211> 792
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(792)
 <223> n is a, g, c, or t

<400> 117
 ttgggggganc gagcggntaa cattttcaca cagaaattcc cgacctcaag tgatatatcc 60
 accttggcct ccaaaagtgc tgggattaca ggcattgagcc accgcgcccg gccccttcat 120
 gcagttttctc tcactccttt cagaatcgag gagtctgcta ttccatcgac atctaacca 180
 ctctctataa ccagcctgca atcccagctg gagaactaca atccaatcag ggattaaatc 240
 taaattcctc ccatctgata actgggatcc ctaccattc aactccctc ctctccaga 300
 aatgttacca atcccctaaa gcctccaatc acctgttgag ccaccagcca agcgcttact 360
 aatccctgtc tccaagctc agacactccc tgtaattgat ggacacgcag cattgggagc 420
 tttcacattg agctcttact ttgaaacttt gaataagaaa agagctgaaa aaagcagatc 480
 tccaatctc ggtgaaactg tagttaaaact ccaagtagaa taccccaata aatggatang 540
 aatganaaat ctcatatggg ttatatangc antatttana aattttggaa ttataggnt 600
 anggatncaa acttnnanan tantattcca ttggnnnttg gngcnccna ngntaaanaa 660
 gttnnccnct canaaggaaa nggggngggg nangggctan ncnnaancc annttttggn 720
 ggntnggnnn aaantttttn ggnccaantt naaanaaann tnntnaaaaa aanggnnccn 780
 tttttnaaaa aa 792

<210> 118
 <211> 838
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(838)
 <223> n is a, g, c, or t

```

<400> 118
gggnaaccga gcgntaaca ttttcacaca gaaantcgga aagtaaagcc aatcttagag      60
gctgcaggag gtttgggggc agtatctgat tcagacgctg gctaacgttt cacgatcgcg      120
ttcccttttt tcttccaact cggtaagtaa aaaggcaaga tgagaaattt acgtgctgaa      180
cttaataaat agttggtgga cgtattgcct tttttttttt ttttttggtt agggatgaca      240
catctcgtga ctacagttct tttgaggaat aacttttctg ctagtttcca aatcggcacg      300
tgaccaaagt cttttcatag gatttttagcg tcctgataaa aatcaatggg cagaatttga      360
ttgcttttta aaaaatgtgt ttgtcctttg gtctctggca ccattgtaat ggaaaatccc      420
tacattgcct gtactctcag aagctgtcca gtggagcaaa actagagata aagaaacctg      480
gaacgattca gttaggaact ttaagaagc cagccttttag ttttcctttt agaagattat      540
gcagttatca tgattgcttc tctagaactt cagtgtgtta tttggattcc taaatctaag      600
acaatgctgn ggaagtctgg ggcttttagn attttngggc ctgctgnaga aaatcctcgt      660
ttatactaca aagtttctnt tttggaactt tnggaattgg gcattttttt nnttattatt      720
ngnatgntng antnannggc aaaactnagn naaccctttt nggtttgcct cnanccggtt      780
nttaanaaaa ngggaaaaan cctnanttta aanttttttc cacccttttt tnttttnt      838

```

```

<210> 119
<211> 820
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(820)
<223> n is a, g, c, or t

```

```

<400> 119
ttgggganct agcttgccaa ntctacaggt ggggtctttc agtggggggc tgtcctgtag      60
gttatagaat gtttagcagc aaaaattaaa aattaaataa caaaaataaa aataaaaaag      120
aatgttttagc agcatccctg gcctctaccc actagatgtc agcagcacct cccttgcccc      180
caggtgtgaa caaaaaatgc ctgcagacat tgccaaatat ctctaggag gacaaaattg      240
tcctctcttc cacttgagaa ctattactct aaaattaccc agatctgctt tgaatccccg      300
ctccacccca tcacaacctg ggtcatcttg gaaaacagac tgaaccttcc tatgcccccc      360
gcaaattcct caactgtaac atggagctct tgctgaagaa atgctatgaa aattaaatga      420
aatgatgtac gtacaggatt tacacgcaca gaatattcac cgcgccagag tgagtgtca      480
ataaatggtc agaaatgagg ggaggctaaa aaaaaataat ttcgagaact caaaaatcct      540

```

atcttttaggc ctccagagta ctgtagtcta gacagaagaa atgggttgaga tagaancaaa 600
 agagatgaga gaggttgga aagaagtgat agaactaagg tattattccc cttatctctt 660
 aagaacccgg cttggagtca aagccaatag agggctctact tagttttgnc tattactcta 720
 ctttcaaata taacgaaaat tgcccaaacc caaagtntcc aaaaaaaact ttnnnntnan 780
 cggggatttc tncncggncn aaaatcta nccccnctnc 820

<210> 120
 <211> 797
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(797)
 <223> n is a, g, c, or t-

<400> 120
 ttgggggtgc gagcggntaa cantttcaca cagnaattca gctgatgaat gcagatatga 60
 accgatgggt caagagctgt agacatacat acctagttta ccacactgat cttcttagta 120
 taaaaaaaca agcgttacta agaaacatct actttcagca aatggacatg accagaatga 180
 tacatagaat gatgcaagaa atttcactct accattcatt ttaatcttta cagtaacagg 240
 atgattgcta tctcaatctg tcattttacc tttttttttt ttttcagaag ttaaagtgt 300
 tccatacaag ttcaacttaa cattgttaag tgcaaagtta acagtgtaca ctttggagat 360
 accttttttag gtagaaaatg attttttggt ttctaataag ttttccaag taatattaaa 420
 gaagggttaa tatgtcattt acttgagaa aacagaaaac catgagaaaag tttgggaaaa 480
 tgctatatatt cagagcttaa tatattgaaa cagtaagtaa gacaggaatt ggctaccttt 540
 taagaacggt taaaaaata caaactgann ggaatgcttt tggcaatnaa aatntgacnt 600
 gaaacattca atggcnnaac attcaanaan gnttnagana tcnttncctt tancatccaa 660
 natngttttg ncnctctc aaaaaantgt ntnttttaaa aaanttaggg ntaaaanttt 720
 ctggnagntt nattaanctt tttttgncc ctnaaatntt nncnnaagt tcnttnanca 780
 aaaaaaatn cttttttt 797

<210> 121
 <211> 828
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(828)

<223> n is a, g, c, or t

<400> 121

```

ttgggggancn gcttgccaan tntacaggtg ggggtctttca ccttcttgcc agaaacataa      60
aatgcatgag agctacggcg accgctgccc agacaaaatg ggcgcgagaa cctgggttag      120
cgcaggcgcc ttggaaagac cctgccccgc ccccgtagaa gcccttggt gcaattctgg      180
gttccgtttc catgggacac tccgcccga atcctctgtc cgaactgtc ttcctgaccc      240
ctcaattcac caatcagtgc ccagtcaagc acatccggag tcgtctctac caatcatttc      300
tcaagacttg cttactcaat aaccaactct ccaataacgt tgggtcttcgg aaaaagccaa      360
tcataagtgg aagatgtcct acctgctgtt ttctgcacca atccatgaag ttccagagct      420
acatccaatg aggacggcag gtagcgaggt cctatccgaa gctcttcggc gtcatgaaca      480
gccaatagga gttcgtgtag aagcgaggtc gctcaacagc ttgttatttg gtggattgtg      540
gcagtaaatac ggggagagtg gggaaccggg cgcaggaaact gcagccggcg ttgggagtg      600

cgcacttnac ccgcanttg taggtggggg agaggggaat cngggggatn ctgaatggac      720
aaancggnan cggcagcaan tgntgntgcc cgggtncccg tgcaantnga aacntttggn      780
gtggggaang ggattctagg caanggnccc gcnanccna aaaaaggc      828

```

<210> 122

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(842)

<223> n is a, g, c, or t

<400> 122

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ttggggancc tagcttgcca antctacagg tggggtcttt caccttcttg ccagaaacat      60
aaaatgcgat ggagctacgg cgaccgctgc cgagacaaaa tggcgccgag aacctgggtt      120
agcgaggcg ccttggaag accctgcccc gccccgtgc aagcccctgg ctgcaattct      180
gggttccgtt tccatgggac actccgccc caatcctcgt gccgaactgc tcttctgac      240
ccctcaattc accaatcagt gccagtagc gcacatccgg agtcgtctct accaatcatt      300
tctcaagact tgcttactca ataaccaact ctccaataac gttgggtcttc ggaaaaagcc      360
aatcataagt ggaagatgtc ctacctgctg tttttcgac caatccatga agtttcagag      420
ctacatccaa tgaggacggc aggtagcgag gtcctatccg aagctcttcg gcgtcatgaa      480
cagccaatag gagttcgtgt agaagcgagt ctgctcaaca gcttggtatt tgggtggattg      540
tggcagtaaa tcggggcgag tggggaaccg ggcgcaggaa ctgcagccgc ggttgggagt      600

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gggtgctgccc ggacgggggc cccacggagg tcagagggga ggaggactct ggagctgaca 660
gcgcgcactt caccgcagc tggtagggtg gggagagggg aatcgggggn annctgaatg 720
gacaaancgg cacgggnagc aantgntgnt gcccnnggggt cccggngcaa ttggaanctt 780
ttggaggtgg gggngangna ttctagccaa ngggcccnnc nagcccaaaa aaanggggcc 840
nc 842

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```

<210> 123
<211> 815
<212> DNA
<213> Cercopithecus aethiops

```

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<220>
<221> misc_feature
<222> (1)..(815)
<223> n is a, g, c, or t

```

```

<400> 123
ttgggnaacc gagcgntaa cnttttcaca cagaaantcc caggctccat gcctgaatag 60
ctgggactac aggcacacag aatcatgccc atctaccttt ttattttttg tagagaagag 120
gtctcactat gatgcccagg ttggtctcaa acacctgtac tcaagagatc ttcccacctt 180
ggcctcccaa agtgccagct ttacaaatgt gagccactgt ggggtggccat gaactcttcc 240
aatgaccctt tttcaaaaaa atatttcaac tattcaatgt gagccaagga tgtgccagac 300
atttgctaga tgctatgaat aaaatatgac aaagattcag tctttgtccc catggacttt 360
atagtctagt agtagatgag actcataagt aatatctagc caaaaataaa aattactgta 420
ttatgggaga ataagaatat ggtactaatt tcttcagtgc caatgtatat cttttcatgt 480
tcttgttctt tggattctca caacaattga tgaaaaatgt aacactggat ttgagtttgt 540
agtcttattt tccaacatga tgaagttgtt attaagtggt agatgatcaa gggagactca 600
ggaagcagtg ggtaacctca gctaaaagca aacagatagt atattggaag atgaggtaaa 660
caaagagagc aaagctttat gaatctgggc taaaantcag ctataagtnt tcgcanatcc 720
angagaactt tncaacagnt tncaattgaa anccttttag tttttaaann cctntttttn 780
caaantgnen aaannnttaa caggnttgna atncc 815

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```

<210> 124
<211> 823
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature

```

<222> (1)..(823)
 <223> n is a, g, c, or t

<400> 124
 ggnnttgcca gcgntaaca atttcacaca gaattcaaac tccagcttta ctaccctgtg 60
 accttgggca ggtcacttca catttctcag gctggtttcc agtctggctg cctttgggga 120
 ggggacctgg gtttgcagga agaaaacttc cttacactga ataattattg ccttgtaga 180
 aattttttac catgtgcaca tattactttt cctaaatatt tgcacccaat ttaattgatt 240
 taattgggga aaaaatgaaca taggaaaaat aatgacctct tcctcagggt tattaagg 300
 tttcaaaata aagtatgtag ctagtaaagg tgcatagtat atgcttaatc aatagagtgg 360
 tgacagggtg gagggagggt ggaggcaggc tcattcctgc cctggggccc agaggagaac 420
 atgtggtaca gaagtccag cctacagcca gctcctagca ttaaggcagg tgcccattca 480
 gctagagcct canggggggt cnagttgagg gagctgctcc tancctggnc cccatgcct 540
 ttnccttgtg gtggancctt aagaagccn tttcctgan naanncctgg gnttananaa 600
 ttcacctttg ncaattacca agnccccggn gnaattntcc ntntgggng aaaccnttn 660
 nntttaagg tgnntntng ggattngnac cnnnttttg gggcncccc ngntttttn 720
 ttttnttnn aaannccnnn aaaanaaaaa aaaaanntnn gngnccnaa annccccnn 780
 ggggggggaa aaaaaaaaa antttttccc cccccccnc cnc 823

<210> 125
 <211> 691
 <212> DNA
 <213> Cercopithecus aethiops

<400> 125
 cctaattcac caacccccaa ctactatagt gggagcctga ggtcacagca tggccccccc 60
 gtgttgtag aaaaatctcc acaggattct cccactgttt cctaagtgtg ctctgggac 120
 ctccgtgact agtgtggaat tttgagccag tgatttctcc ccacaggttt caattaaatc 180
 atctgtcaaa tgaggatgac cacatcttct ttacctcacc actgagctgt gaaatgaacc 240
 agaggcctta ctttttccc ctgaactccc agtcacctt ggaacaccaa tttgaacatc 300
 atctccact ttcccagcca gttagcagct ctgtcctctg gatttcaaag agaatgtct 360
 ctagcatcat ccctgtttcc ttgcaactgt ctactttctt ttcccccca gagccaggaa 420
 tgtcttaaac agaattgagat gctcccaagg ggccaccaac tcacaattag gagttcaata 480
 aatactgact taagagtga tgaacgatcc ccgtgtcttt gtccacattt gtacatgctt 540
 acatgattct gcaaagaatc taaatttctc ttacattaa caaacaagg ggctgggcat 600
 ggtggctcat gactgtaatc tcagcatttt tgtaaccag gacagtcctg atgaaataac 660
 tgggaaagtt ctttttggg ggggtggggtg g 691

<210> 126
 <211> 748
 <212> DNA
 <213> Cercopithecus aethiops

<400> 126
 ccacgcctt actattgcct tcttgacgag ttcttctgag cgggactctg gggttcgaaa 60
 tgagctagcc cttaagtaac gccattttgc aaggcatgga aaaatacata actgagaata 120
 gaaaagttca gatcgaggct aggaacagat ggaacagggt cgaccggctg accggctgac 180
 cctagagaac catcagatgt ttccagggtg cccaaggac ctgaaatgac cctgtgcctt 240
 atttgaacta accaatcagt tcgcttctcg cttctgttcg cgcgcttctg ctccccgagc 300
 tcaataaaaag agcccacaac ccctcactcg gggcgccagt cctccgattg actgagtcgc 360
 ccgggtaccc gtgtatccaa taaacctct tgcagttgca tccgacttgt ggtctcgctg 420
 ttccttggga gggctcctc tgagtgattg actaccgctc agcgggggtc tttcagcagg 480
 gcccggggcc acagaaggaa aacatctctg tggaatgtgg aaatgcagaa ctctactggg 540
 cccgtttaga aagcacagaa aagcatggaa gaaagggaga ggcgagaagc ctagaaaatt 600
 accctagatc ttaggtatgg atatatcgac ctaaaagaaa gaagatgggg caaagttaat 660
 gcaagcagag agtttatttg gggccaagct tgaggattgc accccaggag catagattca 720
 agttgcctg aatttacact gattagca 748

<210> 127
 <211> 708
 <212> DNA
 <213> Cercopithecus aethiops

<400> 127
 gccaaaccta cagggggggt tctttcactg ccagtcagcg aaccgcgaag ccggcaggca 60
 cttcggcggg ctccagcctt tgcctgaaaa gagctcgga agctagctag aggtcagacc 120
 ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc 180
 actgcgcagc cgtggacacc gccccacgct gtagggccgt ggaccctgac aacgccggaa 240
 cccggcgctc ggtgcgtgcg cttggcggac cagaatggct aacgtaccgc catgccgcga 300
 ggcccacgta gaggcggaag ttgatgggac ggacgcagat gggggaacct tgccctgatg 360
 gcactttcct gtccgcgact ccgccccgc cagaggggct aggtccggg tttcaagatg 420
 gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct 480
 tacatcacca gcatcgaga cctcacgggc caggttgctc tgtacacctt ctgccccaa 540
 gccaaaccagt gggtgagtgc cgcctggctc tgaggacggc cggccggccg ctgcggtctc 600

ttaaaggggc cgtgcgtggt gctgtggggt gggggacaca gcaagagcca gggagggtgaa 660
gacggggcca gggactgccg agaagccgac cagaaccaga ggggttgt 708

<210> 128
<211> 741
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(741)
<223> n is a, g, c or t

<400> 128
taacaatttt cacacagaaa ttcaatccaa caaacaanta catattatTT tctaagttgt 60
aaagcctgta accgaatgag ttaattagga aggggtcaatt acaagaaagt gggaaattat 120
gctagttggt tttaaacaac taacaaagct tcaagcaggg gctaacgaga atcagtgaac 180
agactgaatg taacttttcg gaccctctcc agtgcacgaa aagccagaaa gtactgagtc 240
tgaggggaac attcagagat gacatcacca gcatcatagg tggaacaaaa cacatttaca 300
gggtctctct tgtttgtaca aaggtcttcg gggatctagt gaacatggaa gcccttttcc 360
taagtgcctt gaaatctttt ccgaaactgt gtagttcgat taaagccgga cccaccgcac 420
tcccccttcc agaatcgaa actaattgga ttttaagctt taaatccaaa tgacctctga 480
gaaaggggct ctcatTTacg tctgccgggg gagaggagga gtgtttatTT tatagacaat 540
gtatatgcaa tttatctaatt aatccgcaaa gcctcaaaca caagctttca ggcactcttt 600
tgacccacc ggtctcataa ctcccaatgt atctgcaaag aaggcaggtc gccacgtcc 660
ccaaaccgga cgccaaggga ctgatcctgc tccaatcctc cctcactggc ttttcttg 720
ggatgtgtnc agcccacttc t 741

<210> 129
<211> 694
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(694)
<223> n is a, g, c or t

<400> 129
ccgccaacct acaggggtggg gttctttcac tgccagtaca gcgaaccgag aagccggcag 60
gcacttcggc ggtctccagc ctttgctga aaagagctcg gcaagctagc tagaggtcag 120
acccacggac ccagtcgttt tagctcaggg aaaggaagcg ccggacgcca gcctgcaagc 180

ttcactgccc agccgtggac accgccccac gtcgtagggc cgtggaccct gacaacgccc 240
gaacccggcg tccggtgcgt ggccttggcg gaccagaatg gctaacgtac cgccatgccc 300
cgaggccccac gtagaggcgg aagttgatgg gacggacgca gatgggggaa ccttgccctcg 360
atggcacttt cctgtccgcg actccgcccc cgccagaggg gctaggctcc gggtttcaag 420
atggaggcgc tgagtcgagc tgggcaggag atgagcctgg cggccctgaa gcaacacgac 480
ccttacatca ccagcatcgc agacctcagc ggccagggtg ctctgtacac cttctgcccc 540
aaggccaacc agtgggtgag tgccgcctgg ctctgaggac ggccgctccg gccgctgcgg 600
tctcttaaag gggccgtgcg tgttgctgtg ggggtggggga cacagcaaga ggccagggga 660
ggtgaagacg gggccaaggg actgncgaaa agcc 694

<210> 130
<211> 678
<212> DNA
<213> Cercopithecus aethiops

<400> 130
ccctttactg ccagacagcg aaccgcgaag ccggcaggca ctccggcggc ctccagcctt 60
tgcctgaaaa gagctcggca agctagctag aggtcagacc ccaggacca gtcgttttag 120
ctcagggaag ggaagcgccg gacgccagcc tgcaagcttc actgcgagc cgtggacacc 180
gccccacgtc gtagggccgt ggaccctgac aacgccgga cccggcgctc ggtgcgtgcg 240
cttggcggac cagaatggct aacgtaccgc catgccgca ggcccacgta gaggcggaag 300
ttgatgggac ggacgcagat gggggaaacct tgcctcgatg gcactttcct gtccgcgact 360
ccgccccgcg cagaggggct aggtccggg tttcaagatg gaggcgctga gtcgagctgg 420
gcaggagatg agcctggcgg ccctgaagca acacgaccct tacatcacca gcatcgagca 480
cctcacgggc caggttgctc tgtacacctt ctgccccaa gccaaccagt ggggtgagtgc 540
cgcttggtc tgaggacggc cgcccgccg ctgcggtctc ttaaaggggc cgtgcgtggt 600
gctgtggggg gggggacaca gcaagaggcc agggaagttg aagacggggc caagggaact 660
ggccgaaaag ccaagcca 678

<210> 131
<211> 712
<212> DNA
<213> Cercopithecus aethiops

<400> 131
cccgccagcc tacagggtgg gtctttcact gccagtacag cgaaccgcga agccggcagg 60
cacttcggac ggtctccagc ctttgcctga aaagagctcg gcaagctagc tagaggctcag 120

accccaggac ccagtcgttt tagctcaggg aaaggaagcg ccggacgcca gcctgcaagc 180
 ttcactgcgc agccgtggac accgccccac gtcgtcgggc cgtggaccct gacaacgccg 240
 gaaccggcg tccggtgcgt gcgcttggcg gaccagaatg gctaacgtac cgccatgccg 300
 cgaggccccac gtagaggcgg aagttgatgg gacggacgca gatgggggaa ccttgcctcg 360
 atggcacttt cctgtccgcg/actccgcccc cgccagaggg gctaggctcc gggtttcaag 420
 ttggaggcgc tgagtcgagc tgggcaggag atgagcctgg cgccctgaa gcaacacgac 480
 ccttacatca ccagcatcgc agacctcacg ggccagggtt ctctgtacac cttctgcccc 540
 aaggccaacc cagtgggtga gtgccgctg gctctgagga cagccgcccc gccgctgcgg 600
 tctcttaaag gggcccgtgc gtgttgcgtg ggggggtggg gaacacagca agaggccagg 660
 ggaggtgaag accggggcca gggacctggc gaaaagcccc aaccagaagc cc 712

<210> 132
 <211> 738
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(738)
 <223> n is a, g, c or t

<400> 132
 gccagcctac aggggggggt ctntcactgc acagtacagc gaaccgcgaa gccggcaggc 60
 acttcggcgg tctccagcct ttgcctgaaa agagctcggc aagctagcta gaggtcagac 120
 cccaggaccc agtcgtttta gctcagggaa aggaagcgcc ggacgccagc ctgcaagctt 180
 cactgcgcag ccgtggacac cgccccacgt cgtagggccg tggaccctga caacgccgga 240
 acccggcgtc cgggtgcgtg gcttggcgga ccagaatggc taacgtaccg ccatgccgcg 300
 aggcccacgt agaggcgga gttgatggga cggacgcaga tgggggaacc ttgcctcgat 360
 ggcactttcc tgtccgcgac tccgcccccg ccagaggggc taggctccgg gtttcaagat 420
 ggaggcgctg agtcgagctg ggcaggagat gagcctggcg gccctgaagc aacacgaccc 480
 ttacatcacc agcatcgag acctcacggg ccaggttgct ctgtacacct tctgccccaa 540
 ggccaaccag tgggtgagtg ccgcctggct ctgaggacgg ccgcccggcc gctgcggtct 600
 cttaaagggg ccgtgcgtgt ttgctgtggg gtgggggaca cagcaagagg ccagggaggt 660
 gaagacnggg gccagggnac tggcgaagag ccgagccaaa gccagagggg tgtcgggtcc 720
 acctgggaat tgggggaa 738

<210> 133
 <211> 757

<212> DNA
<213> Cercopithecus aethiops

<400> 133

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cgccaaacct acaggggggg tcttttactg ccagacagcg aaccgcgaag ccggcaggca      60
cttcggcggt ctccagcctt tgcctgaaaa gagctcggca agctagctag aggtcagacc      120
ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc      180
actgcgcagc cgtggacacc gccccacgtc gtagggccgt ggaccctgac aacgccggaa      240
cccggcgctc ggtgctgctg cttggcggac cagaatggct aacgtaccgc catgccgcga      300
ggccccacgta gaggcggaag ttgatgggac ggacgcagat ggggggaacct tgcctcgatg      360
gcactttcct gtccgcgact ccgccccgcg cagaggggct aggctccggg tttcaagatg      420
gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct      480
tacatcacca gcatcgaga cctcacgggc caggttgctc tgtacacctt ctgccccaa      540
gccaaccagt ggtgagtg cgcctggctc tgaggacggc cggccggccg ctgcggtctc      600
ttaaaggggc cgtgctgtt gctgtggggg gggggacaca gcaagaggcc aggggaggtg      660
aagacggggg ccaggggact ggcgaagagc ccgagccaga gccagagggg tgtcgggtcc      720
acctgggatt ggggggatag gaagtgagaa gaagtgg      757
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<210> 134
<211> 668
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(668)
<223> n is a, g, c or t

<400> 134

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ccagcctaca gggggggggt ctttactgc cagtacagcg aaccgcgaag ccggcaggca      60
cttcggcggt ctccagcctt tgcctgaaaa gagctcggca agctagctag aggtcagacc      120
ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc      180
actgcgcagc cgtggacacc gccccacgta gtagggccgt ggaccctgac aacgccggaa      240
cccggcgctc ggtgctgctg cttggcggac cagaatggct aacgtaccgc catgccgtga      300
ggccccacgta gaggcggaag ttgatgggac ggacgcagat ggggggaacct tgcctcgatg      360
gcactttcct gtccgcgact ccgccccgcg cagaggggct aggctccggg tttcaagatg      420
gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct      480
tacatcacca gcatcgaga cctcacgggc caggttgctc tgtacacctt ctgccccaa      540
```

gccaaccagt gggtagtg cgcctggctc tgaggacggc ccgcccggcc gctgncggtc 600
ntcttaaaag gggcccganc gtgtttgctg tgggggtggg gggacncaag caagaaggcn 660
cagggagg 668

<210> 135
<211> 752
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(752)
<223> n is a, g, c or t

<400> 135
gcttgccaaa cctacagggg gggcttttca ctgccagaca gcgaaccgcg aagccggcag 60
gcacttcggc ggtctccagc ctttgccctga aaagagctcg gcaagctagc tagaggctag 120
accccaggac ccagtcgttt tagctcaggg aaaggaagcg ccggacgcca gcctgcaagc 180
ttcactgctc agccgtggac accgccccac gtcgtagggc cgtggaccct gacaacgccg 240
gaaccggcg tccggtgcgt gcgcttgccg gaccagaatg gctaactgac cgccatgccg 300
cgaggccac gtagaggcg aagttgatgg gacggacgca gatgggggaa ccttgccctc 360
atggcacttt cctgtccgct actccgcccc cgccagaggg gctaggctcc gggtttcaag 420
atggaggcgc tgagtcgagc tgggcaggag atgagcctgg cggccctgaa gcaacacgac 480
ccttacatca ccagcatcgc agacctcagc ggccagggtg ctctgtacac cttctgcccc 540
aaggccaacc agtgggtgag tgccgcctgg ctctgaggac ggccgcccgg ccgctgcggc 600
ctcttaaagg ggccgtgcgt gttgctgtgg ggtgggggac acagccagga ggccaagga 660
ggtgaagacn gggggccagg actggcgaag agccgagcca ganccagagg ggtgtcgggt 720
tcacctggga ttgggggata ggagtgcag aa 752

<210> 136
<211> 739
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(739)
<223> n is a, g, c or t

<400> 136
ctttcactgc cagnacagc aaccgcgaag ccggcaggca ctccggcggt ctccagcctt 60
tgccctgaaa gagctcggca agctagctag aggtcagacc ccaggaccca gtcgttttag 120

ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc actgcgcagc cgtggacacc 180
 gccccacgtc gtagggccgt ggaccctgac aacgccggaa cccggcgctcc ggtgcgtgcg 240
 cttggcggac cagaatggct aacgtaccgc catgccgcga ggcccacgta gaggcggaag 300
 ttgatgggac ggacgcagat gggggaacct tgcctcgatg gcactttcct gtccgcgact 360
 ccgccccgc cagaggggct aggtccggg tttcaagatg gaggcgctga gtcgagctgg 420
 gcaggagatg agcctggcgg ccctgaagca acacgaccct tacatcacca gcatcgaga 480
 cctcacgggc caggttgctc tgtacacctt ctgccccaaag gccaaaccagt gggtgagtgc 540
 cgctgggctc tgaggacggc cgccggccg ctgcggtctc ttaaaggggc cgtgcgtggt 600
 gctgtggggg gggggacaca gcaagaggcc agggaggtga agacggggcc agggactggc 660
 gaagagccga gccagagcca gaggggtgct ggggtccacct gggattgggg gataggggtg 720
 agagaagngg ctgganaat 739

<210> 137
 <211> 707
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(707)
 <223> n is a, g, c or t

<400> 137
 gccaaaccta caggtgggat ctttactgc cagacagcga accgcgaagc cggcaggcac 60
 ttccggcggtc tccagccttt gcctgaaaag agctcggcaa gctagnntag aggtcagacc 120
 ccaggaccca gtcgttttag ctcagggaaa ggaagcgccg gacgccagcc tgcaagcttc 180
 actgcgcagc cgtggacacc gccccacgtc gtagggccgt ggaccctgac aacgccggaa 240
 cccggcgctcc ggtgcgtgcg cttggcggac cagaatggct aacgtaccgc catgccgcga 300
 ggcccacgta gaggcggaag ttgatgggac ggacgcagat gggggaacct tgcctcgatg 360
 gcactttcct gtccgcgact ccgccccgc cagaggggct aggtccggg tttcaagatg 420
 gaggcgctga gtcgagctgg gcaggagatg agcctggcgg ccctgaagca acacgaccct 480
 tacatcacca gcatcgaga cctcacgggc caggttgctc tgtacacctt ctgccccaaag 540
 gccaaaccagt gggtgagtgc cgctgggctc tgaggacggc cgccggccg ctgcggtctc 600
 ttaaaggggc cgtgcgtggt gctgtggggg gggggacaca gcaagaggcc agggaggtga 660
 agacggggcc agggactggc gaagagccga gccagagcca gaggggt 707

<210> 138
 <211> 818
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(818)
 <223> n is a, g, c or t

<400> 138
 tcacacagaa ttcagnaaag cacagctgtc taggcgtttg gctcctgaca aatggttgcc 60
 tgccccctcac ctcaccagcc tctccagaca cctctgcac acacagcact gatgaccgcc 120
 tcccagccca acacccactc tgcttactct gtgccgccag gctctgattg tgtttgggag 180
 gtaaagtgtc cagccccaag actggccaaa cttggccctc atcatcccat tctccttgc 240
 cagtggttta tctaggaata gatatggggc cctgttcagg tcagtgaat gtaagggtga 300
 gttagtctcag gaatttctga gaaagattct cctctgtaat aaagcagaga gtcacatgac 360
 tagaaaatct ttttggtgtt gttgtgtgtt taccaccacc ccttccttcc tgctttggaa 420
 atcggtttat gatgtgatgc ctggagctgt ggcagctgtt ttatgacat gagagaaggc 480
 ttctccagtg tgctaggatt caggggagga aatacagaat gaatgtcagc cctcgatgac 540
 actgccgagc cctaaaccaa ctctgagaat ttaagacttt ttgttctgta agaaatgaga 600
 tttattttatt gtttaagact ctgttgggta ttctgttatt tgtggccan aatattttaa 660
 ataataataat ttctttttgc aataatacat ctcagatgga cattcccaa agtctaagac 720
 tttgagagaa gtcattctctg aagagccaag cattcataat tagaaacttg gccagggtgca 780
 gtggctcacg cctgtgatcc cagcactttg ggaggcca 818

<210> 139
 <211> 581
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(581)
 <223> n is a, g, c or t

<400> 139
 cacacaaatt agnncaggct atcctcctgg tggttcctgt accagtcctc gatcacctcc 60
 tcaaactctt ccaccagcac gtcgcactgt taatcgtaac acctcacgtt ggcaaagccc 120
 cagcacctta ctactccta gaggagctca gctaagcctt gcaaccact gcaaggtagt 180
 ggtagtggtt cacctaagga aactgaggct agagaggtga aatgacgtga ccaaagccac 240

cctggcctgg gtggccctcc tcagagcaga cccaatcccc accggcccct cactgggcac 300
 agcaaccctt ccaagggctg aagggcctgt acctgttct tgaggtcagc cacctctgca 360
 gaagtctcgt tccacagctc ataggggatg tccatcacca ccttgacccc tttgtgtacc 420
 aggttgtgta atgtctcaaa ggtctctgac atgccctgga agaagcgacc agacatggga 480
 ggcagagctc ccttctctcc ctctaccct cctctcccag tggggcctat gaactcagct 540
 gtaagaccaa tgcccaatgc cctctgagga tcctcaaacc t 581

<210> 140
 <211> 630
 <212> DNA
 <213> Cercopithecus aethiops

<400> 140
 tcacacagaa ttccatgttc agtaaccagg tgctacaaat gcagttcaag gctctaggtc 60
 atgacaatgt cacagatata tcagggtccag tcaccaaggc aacatgtggc ttgggtcttt 120
 ttctgggtttc aagactgcat ctgtattctc tcacctccct gggcccacag attccctaaa 180
 tcatagcttg gtctaagagc aatgcttcaa attcagggtcc cttgtctcag gtgggtagac 240
 ttctgtcac ccagccaccg ccacctgatt ctggacctgg agccggcagg cccgtggctt 300
 cagcccgaact cactcttttg tattctgttg cttactatca tctttttttt ttttggcttt 360
 gaactccgca gtgtcatttt ttttttctag tttatccatc tttgccatgt gtttggggaa 420
 gaatggcaat gcgaaagtgt gaacttccag tcccggctta ttagaagccc acagctgttt 480
 taaaaaaaaat ctaccttgct atcctttccc ttttctgtga cacacaagtg actgttaatt 540
 agtacctagg ccatgggctg tcatgcttaa aaactgaatg gaattttttg ttcttttagc 600
 aatgttagga tgactggctg attataaaaa 630

<210> 141
 <211> 737
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(737)
 <223> n is a, g, c or t
 <400> 141
 acacagaatt cttacttaat acatataaac agaacatttc taggtcagtg aacaaaaata 60
 taacctgaat cataaaaaaca gagttataac tcctccatca atttccagac atcagccagt 120
 ttacaaatcc agaaccctt aatgaagaa caagcttgat gcccttgagg aagggcccta 180
 gtacactgcc caaaatctgt acatttaatt ttctcctaa tcttcccaaa agggacatat 240

gtccttttac cagtgaaact gtcatttgg gtaattgaaa ataatcaaact caggtactac 300
 tggaccctgg ctacgaactg atgcaaattc caggagacct aacatgccat ggtgggccac 360
 aaagacagtg cttatgggaa tcaggtgatc catggagttt taagttgggt ccaactcaca 420
 tttgaataaa tatactcatg ctgacagaat ctccataatg gttccctgac ctgtaaagtg 540
 aggtgcatta tgggtgggtaa tggcaaattg aagccagtag aaacacctct atctagggaa 600
 aatagtaaag caaatgcaat attttcatct ccgtagggat tgcagacatt agttgccacc 660
 atcaagggct tgaaaaatga ccaggggggtg attcccacca acattctnca ttcagctttg 720
 tctattnggg ccttgcc 737

<210> 142
 <211> 768
 <212> DNA
 <213> Cercopithecus aethiops

<400> 142
 tttcacacag aattcagtgg atgctatgaa acatatcttc actgttcgtg tttgtctctt 60
 tctgaatcca caagtgatgg acacatgaat ctactactac tgttctcttt tcttcttttt 120
 ccgtctttct ctcccttccc acccctagtt cctgacgttt gctactcta tcatgtctgc 180
 agtgttgcat accactctgc atcctcatct gtctgagaca cattcaacca ctaggtcttc 300
 agctgcttca ctgctgcctg atgttctttg aagtcagta taagagagaa cattctatctt 360
 tgctaaaact aaaagactac cctttatctt tgctgagaat atgtaaagaa aaggggaatg 420
 actagatcag aaggcttatt ctgaggtata tagtaatgtt aatttttaaa taattgttag 480
 gtgttcttct tcattaggta ttcaccttca gttttccaag actatggaaa gcaccattgg 540
 tgcagttagt taacagcagc ttgactcaga cgtagaactg cagccaggac ccatctgttc 600
 cccattactc cctgctgccg gttttgcaac cagaacctag gagtgattta tcccatcctc 660
 aattttgctc aggactcagc agaagaagga tcctgggaca caagactttt cagtggcttc 720
 aaacttggga gagttctttg gcaatgcaca ggtttgacct atgaactg 768

<210> 143
 <211> 450
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(450)
 <223> n is a, g, c or t

<400> 143
 gcctgtgaaa ccactctggnc ctggactttt tttggttgnn aggctatcaa cttattgcct 60
 caatttcaga gcctactatt ggtctattca gggatctcaa ctnccttctg gcttttagtct 120
 tggaagagtg taagtgtcca ggaaatctat ccactcttct ctagattttc cagtttattn 180
 cgcgcagagg cgttcacagc agcctctgat ggtagtcca atttctgagg ggcggcggn 240
 gatatcccct ttatcattnt naatngcgc gatnagacnc ttctctcttn tcttctttat 300
 aagcactcng ctagccggcc ngccaatntc gnngangctt ntcaaaaaac caactcctgg 360
 attcatgat tncnntggag ggtctntttg ngtctctatc tcttcagtn actgcnctga 420
 tcttagmata tttctgcn tctgctagct 450

<210> 144
 <211> 729
 <212> DNA
 <213> Cercopithecus aethiops

<221> misc_feature
 <222> (1)..(729)
 <223> n is a, g, c or t

<400> 144
 cacacagaat tacccttttc gccttccaag gggaaaccag gccactttgc tcttcttggg 60
 gaaggaggat aattgtccag tgctgggagg tgacagcagc tactgccagc acgaggtggg 120
 gccctgcag tgtggttctt caggtctgag aggggttccc tctgccttcc tccctcctgc 180
 tcccttttcc tcttctctct acctgttttt tcttctctct acatctctcc tgcttcccca 240
 caatccctga catttactgc aggtctccga agagccatga cactttatac cctcaacctc 300
 atttaattct caggaaaccc cacaaggccg tgcaattctc accccaggta ccaagtgagc 360
 cagttcaggt gcacagagac tgccccttgc ccagagatcc tagcacgagg gctctgtact 420
 ggttagggtc tccagagaaa cagctccaat agaattgtgca gatgctgggt gcagtggctc 480
 accctgtaa tcccagcact ttgggaggcc gaggcgggcg gatcatgagg tcaggagatc 540
 gagaccatcc tggctaacac ggtgaaaccc catctctact aaaaatacaa aaacattagc 600
 cgggccgtgg tggcgggncg cctgtagtcc cagctacttg ggaggctgag ggcaggagaa 660
 tggcatgaag ccganaggca nagcttgagc tgagccaaga tcacatggca ctccaacctg 720
 ggcgacaaa 729

<210> 145
 <211> 755
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(755)
 <223> n is a, g, c or t

<400> 145
 aacaattttc acacagaatt acctggtctc aaagtgtatc ctccatgctt cggcctccca 60
 aagtaattgtg attacaggag tgacccaccc tgcccggccc tctagcttat ggtggaagct 120
 taaataatca gtttttagaca tttcttcttc ctttttttcc caagaaacag ggtcttgctc 180
 tgccaccac gctggaatga agtggtgcaa tcatagctga ttgcaacctc aaactcctta 240
 actcaatcaa tctctccacc tcagcctttc aaatagctgg gactacagtg cgtaagccac 300
 cgcacctggc ctcttctttc taatataagt atttaatat ataaaatttc ctctaagatc 360
 taaacactgc tttagctgca actcaciaat tttgatatgt tgtattttta tttatatccc 420
 attaaaaata cagtattagt tcccgtgtga tttcttcttt gacctatggc ttagaagtg 480
 gttgtttagt ttccaaattt gggggcattt tccagatata tttctcttat ttatttgtaa 540
 ttttaattctg ttgtggctga ggagcacgtt ctgtttgctt acaatcctcg taaatttatt 600
 atgacttggt ttatggccca gcataggggc tgtttggcga gtgttccatg tgcactcgaa 660
 aagaatgtgt attctgtagt tgtgcagggt atttttaaaa ttttattctt ttcactgana 720
 caaatagct gtncatattt agagggtaca tgcca 755

<210> 146
 <211> 795
 <212> DNA
 <213> Cercopithecus aethiops

<400> 146
 ctaccagtat atacaaagaa aagctcgtac cattcatgct gaaactactc caaaaagttg 60
 aggagaagga aatcctccct agcttattct acaaagctag catcacactg ctaccaaacc 120
 ctgacagagt cacaacaaca aaaatttcag acatatattc ttgatgaaca ttgatgcaaa 180
 gtagtcaaca aaatacttgc aaaccaaatt cagcagcaca tcaaaaagct tatccatcat 240
 gatcaagtag gctttatccc tgggatgcaa ggttggttca acatctgcaa atcaataaat 300
 gtgattcatc acataaatac cactaaagac aaaaaacca catgattatc tcaacagatg 360
 cagaaaaggc ttttgataaa atccaatacc cttcatggtt aaaaactctc aataaactag 420
 gtattgaagg aacatactc aaagtaataa gaaccaccta taaaaaaccc acagccaaca 480
 tcatattgaa tgggcaaaag ctggaagcaa tccccttgaa aactggagga agacaagaat 540
 accctttctt accactccta ttcaacataa tattggaagt cctggccagg acaagcaggc 600

aagagaaaga aagaaaggca tccaatagg aagaaaggga agtcaaacta tccctgtttg 660
cagacaaaat gacccatag ctagaaaccc catagtctca gcccaaagct ttttaagctga 720
taaacacttt cagcaagcct cagcatacaa aatcatgtgc aaaagtcagt acattttgta 780
caccaccaac agtca 795

<210> 147
<211> 704
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(704)
<223> n is a, g, c or t

<400> 147
gcatcctccc tctcggcct gggcgtgggc tcgcaaacg ctgggattcc cgggtattaca 60
ggcgggcgcg ccacgccagg agcaaacact tcttgcttta aaaattcagt gttgtgattg 120
gctgccattc agcattatgc taattaagca tgctgtttt ttttaagctt cttaaaacaa 180
ttttttaaaa ttccgtttcc acctaaaacg ttaaaatttg tcaagtgata atattcgaga 240
agatgttggt gccaaactat ttttctatct gtttcctaag ggcacggaa atagcgaaag 300
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ctgttaagac tatactttca gggatcattt ctatagtttg ttactagaga agttctctct 420
gaacgtgtag agcaccgaaa accacgagga agagacgtag cgttttctcc tgagcgtgaa 480
gcgggcgttt ggtgttgctt cgctgcaact gccatcagcc attgatgatc gttcttctct 540
ccgctttgga gagnaagagg gagagaacgc ggtctgagtg gtttttcttt ttgcnnggt 600
tagaacgaca gactgtacag cgaccgtntc ccggttgnc tntgtgcttg nntgncncc 660
ngaggccnaa gngagttgcc ttattttggt tcacnancgg ntgt 704

<210> 148
<211> 650
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(650)
<223> n is a, g, c or t

<400> 148
atcgccctt atcgccctt tgacgagttc ttctgagcgg gactctgggg ttcgaaatga 60
gctagccctt aagtaacgcc attttgcaag gcatggaaaa atacataact gagaatagaa 120

aagttcagat cgaggtcagg aacagatgga acagggtcga ccggtcgacc ggtcgaccct 180
agagaaccat cagatgtttc cagggtgccc caaggacctg aaatgaccct gtgccttatt 240
tgaactaacc aatcagttcg cttctcgctt ctgttcgcgc gcttctgctc cccgagctca 300
ataaaagagc ccacaacccc tcaactcggg cgccagtcct ccgattgact gagtcgcccg 360
ggtacccgtg tatccaataa accctcttgc agttgcatcc gacttgtggt ctcgctgttc 420
cttgggaggg tctcctctga gtgattgact acccgtcagc gggggctctt cagttaagac 480
tatactttca gggatcattt ctatagtttg ttactagaga agtttctctg aacgtgtaga 540
gcaccgaaaa ccacgaggaa gagacgtagc gttttctcct gagcgtgaag cgggcgtttg 600
gtgttgcttc gctgcactgc catcanccat tgatgatcgt tttntntccg 650

<210> 149
<211> 671
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(671)
<223> n is a, g, c or t

<400> 149
aactttaact aatggcgaga taccttcgct attgccgatg ccattaggaa acaaatagaa 60
aaatagtctg gcaacaacat cttctcgaat attatcactc gacaaattat aacgttttag 120
gtggaaacgg aactttaaaa aattgtttta agaagcggaa aaaaaacagg catgcataat 180
tagcataatg ctgaatggca gccaatcaca aactgaatct ccaaagcagg aagtgtttgc 240
tcctggcgtg gcgcgcccgc ctgtaatccg ggaatcccag cgtttagcga gccacgccc 300
aggccgagga gggaggatcc tttgttccac gagatcgaca ccagcctagg caatatagca 360
gaatcctggt ggtgacggaa atgccctatc ttgagcttat caatgccaaa accccggtca 420
tataacttta ttggatatca gtggggaaaa ctgagtaaaa ggtgcaaata tataactcag 480
tataaacccc aagaacgaaa cgcaaacct accattctct gaaagaaatg ttttgtacat 540
atatattacac agaaacacat acatcatgat caaaaaatga catcattcgt aaaaaaaaaat 600
aacaaaaagt gtaaaagaac ccacgcccc gaaaggaagg gccctgtgag accggatccc 660
caaaaccaa c 671

<210> 150
<211> 704
<212> DNA
<213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(704)
 <223> n is a, g, c or t

<400> 150
 tcattaacag cccactcgca gcctctgcgg ggtctacatc tgctgccaac ttttaactaa 60
 tggcgagata ctttcgctat ttccgatgcc attaggaaac aaatagaaaa atagtttggc 120
 aacaacatct tctcgaatat tatcacttga caaattttaa cgtttttaggt ggaaacggaa 180
 ttttaaaaaa ttgttttaag aagcttaaaa aaaacaggca tgcttaatta gcataatgct 240
 gaatggcagc caatcacaaa ctgaattttt aaagcaggaa gtgtttgctc ctggcgtggc 300
 gcgcccgcct gtaatccggg aatcccagcg ttttgcgagc ccacgcccag gccgaggagg 360
 gaggatcctt tgttccacga gttcgacacc agcctaggca atatagcaga attctgtgtg 420
 aaattgttat ccgctcacia ttccacacia catgagcgtc agaccccgaa gaaaagatca 480
 aaggatcttc ttgagatcct ttttttctgc gcgtaatctg ctgcttgcaa acaaaaaaac 540
 caccgctacc agcgggtggtt tgtttgccgg atcaagagct accaactctt tttccgaagg 600
 taactggctt cagcagagcg cagataccaa atactgtcct tctagtgtag ccgtagttag 660
 gccnccact tcaagaactc tgtagcaccg cctacatacc tcga 704

<210> 151
 <211> 705
 <212> DNA
 <213> Cercopithecus aethiops

<400> 151
 gctatatgtc ctaggctggt gtcgaactcg tggtaacaaa ggatcctccc tcctcggcct 60
 gggcgtgggc tcgcaaaacg ctgggattcc cggattacag gcgggcgcgc cagccagga 120
 gcaaacactt cctgctttta aaattcagtt tgtgattggc tgccattcag cattatgcta 180
 attaagcatg cctgtttttt ttaagcttct taaaacaatt ttttaaatt ccgtttccac 240
 ctaaaacggt aaaatttgtc aagtgataat attcgagaag atgttggtgc caaactattt 300
 ttctatttgt ttcctaattg catcggaat agcgaaagta tctcgccatt agttaaaagt 360
 tggcagcaga tgtagacccc gcagaggctg cgagtgggct gttaatgaaa gacccacct 420
 gtaggtttgg caagctagct gaggatcgtt tcgcatgatt gaacaagatg gattgcacgc 480
 tggttctccg gccgcttggg tggagaggct attcggctat gactgggcac aacagacaat 540
 cggctgctct gatgccgccg tgttccggct gtcagcgagc gggcgcccgg ttctttttgt 600
 caagaccgac ctgtccggtg ccctgaatga actgcaggac gaggcagcgc ggctatcgtg 660

gctggccacg acgggcgttc cttgcgcacc tgtgctcgac gttgt

705

<210> 152
<211> 673
<212> DNA
<213> Cercopithecus aethiops

<400> 152
tttcattaac agcccaactcg cagcctctgc ggggtctaca tctgctgcca acttttaact 60
aatggcgaga tactttcgct atttccgatg ccattaggaa acaaatacaa aaatagtttg 120
gcaacaacat cttctcgaat attatcactt gacaaatttt aacgttttag gtggaaacgg 180
aattttaaaa aattgtttta agaagcttaa aaaaaacagg catgcttaat tagcataatg 240
ctgaatggca gccaatcaca aactgaattt ttaaagcagg aagtgtttgc tcctggcgtg 300
gcgcgcccgc ctgtaatccg ggaatcccag cgttttgcga gccacgccc aggccgagga 360
gggaggatcc ttgtttccac gagttcgaca ccagcctagg caatatagca gaattcatct 420
cacagagtta catctttccc ttcaagaagc ctttcgctaa ggctgttctt gtggaattgg 480
caaagggata ttggaagcc catagagggc tatggtgaaa aaggaaatat cttccgttca 540
aaactggaaa gaagctttct gagaaactgc tctgtgttcc tctgaattct ggaagaaaac 600
aacacatca ttcttgtctc caagagctta aatttctgtt tgggcaattt atttataaaa 660
acacaactta gcc 673

<210> 153
<211> 709
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(709)
<223> n is a, g, c or t

<400> 153
tttcattaac agcccaactcg cagcctctgc ggggtctaca tctgctgcca acttttaact 60
aatggcgaga tactttcgct atttccgatg ccattaggaa acaaatacaa aaatagtttg 120
gcaacaacat cttctcgaat attatcactt gacaaatttt aacgttttag gtggaaacgg 180
aattntaaaa aaagttttta agaagcttaa aaaaaacagg catgcttaat tagcataatg 240
ctgaatggca gccaatcaca aactgaattt ttaaagcagg aagtgtttgc tcctggcgtg 300
gcgcgcccgc ctgtaatccg ggaatcccag cgttttgcga gccacgccc aggccgagga 360
gggaggatcc ttgtttccac gagttcgaca ccagcctagg caatatagca gaattctgtg 420
tgaaattggt atccgctcac aattccacac aacatgagcg tcagaccccg aagaaaagat 480

caaaggatct tcttgagatc cttttttttc tgcgcgtaat ctgctgcttg caaaacaaaa 540
aaaccaccgc taccagcggg ggtttgtttg cncgggatca agagtctacc aacctctttt 600
ttacgaaagg tnaactgggct tcaggcagga gccgcanatt nccaaaataa ttggnccctt 660
ccaagnngnn anccccgnag gnttagggcc cncccaactt tcnaaggac 709

<210> 154
<211> 574
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(574)
<223> n is a, g, c or t

<400> 154
cctcggcctg ggcgtgggct cgcaaaacgc tgggattccc ggattacagg cgggcgcgcc 60
acgccaggag caaacacttc ctgcttttaa aattcagttt gtgattggct gccattcagc 120
attatgctaa tnaagcatgc ctgttttttt taagcttctt aaaacaattt tttaaaattc 180
cgttaccacc taaaacgtta aaatttgtca agtgataata ttcgagaaga tgttggtgcc 240
aaactatttt tctatttgnt tcctaattggc atcggaaata gcgaaagtat ctcgccatta 300
gttaaaaagt ggcagcagat gtagaccccg cagaggctgc gagtgggctg ttaatgaaag 360
acccacactg taggtttggc aagcatagct gaggatcggt tcgcatgntt gaacaagatg 420
gattgcacgc tggntctccg gccgctngng tggagaggct attcggntat gactgggcac 480
aacagacaaa tcgggctgnt ctgatgccgc cgtgttccgg ntgtaagcgc aggggcgccc 540
cngtttcttt tttgnaaaga ccganctgta acgg 574

<210> 155
<211> 794
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(794)
<223> n is a, g, c or t

<400> 155
actccggaga tatgaggcct agctccatcc ttcttttctt atcactcagt cattcaatct 60
ttgcttggaat tacatgaact aataatttcc aatattacct gacatggatc cactttaggg 120
aagacacaag atatgaaaga aaggataaag tctgaaagtt agaagtaaca caactacaga 180

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aatagatta atgtggattg ttatagccat tcatacaatg acatcctcaa cgtcaaaacc 240
tttttgtagt ctttacagat tccacatcca agcagaattc tatttaaatgt gctttctaac 300

aatcagattc ctgacaaatg tgttcataaa gtaataaaaag cagcaaaatc ttaaatgttt 360
tatactaaca tagtagacaa aatacaaaata ctctgaacac taatatcaca gaaaccctta 420
aaaaaaagat tgagggggagg taataacata cctaatacaa atagaaataa ggaggaaacct 480
ttgagggtttg ctatgctttg aacgtgtccc caagggtcac atgttggaata cttaatccct 540
gaagcaacag tgatgagaag tgggaccttt aagagggtgag taggtcacga gggctctgct 600
ctgccacatg aatggattaa tgctattacc agaggagtgg ggaatggggt ccagatagaa 660
gaccgagttt ggctcctcc ttatntntcg ctctctngcc ttccgccttc taccatggga 720
tgatacagca ggaagacct agataccaca ccttgatatg gacttcngt cccnanacct 780
tgantaaata ccag 794

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<210> 156
<211> 831
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(831)
<223> n is a, g, c or t

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<400> 156
cgcacgcct tctatgcct tcttgacgag ttcttctgag cgggactctg gggttcgaaa 60
tgagctagcc cttaagtaac gccatthtgc aaggcatgga aaaatacata actgagaata 120
gaaaagttca gatcgaggtc aggaacagat ggaacagggt cgaccggctg accggctgac 180
cctagagaac catcatatgt ttccagggtg cccaaggac ctgaaatgac cctgtgcctt 240
atttgaacta accaatcagt tcgcttctcg cttctgttcg cgcgcttctg ctccccgagc 300
tcaataaaaag agcccacaac ccctcactcg gggcgccagt cctccgattg actgagtcgc 360
ccgggtaccc gtgtatccaa taaacctct tgcagttgca tccgacttgt ggtctcgctg 420
ttccttggga gggctctctc tgagtgattg actaccgctc agcgggggtc tttcaaggctc 480
aactgacttt aaacttgccg ttgatttgt gactttagaa agtagagtta actatattta 540
gcaatatgct taagcatgtg catatcacct catgaaacgt gtgtgtgcat gagaaaagct 600
gcctccagta catatacata tgtatataaa cacacataca cacaagcata tatatgtatg 660
tatttcttgn aggaccagtc tcattgtata taatttcaag tgcagggtcc tgatctccan 720
ggatgcgtaa aagactcact gaagttnnga agaaanttta nggctactat tntgttgng 780
atcncacct tcaagtttaa atttgatntg attattctta cngnttgng g 831

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<210> 157
 <211> 637
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(637)
 <223> n is a, g, c or t

<400> 157
 caacctaaga aaaactcaca gccactttta aagcagtaac acatgtataa agtatagttt 60
 ggatcctttt gtacacagct cctgaaagag agaaattttt ttttcaccta ccgacagaca 120
 tattggaagg ctgctaatat tctgactttt acggactgta ctccctttta cctgggtaca 180
 taccataata ttctttcagt tgnccacagc tatagatacc cctagcataa cacttcagga 240
 ttcagaagac gaatgtacct ttctgtatct taacctctct actccacact tcccacctct 300
 gaaaaaacia caggccaaat tctcagaacc taaaaccaag tcagagtaaa cactgctaatt 360
 acaataactga cacttacata ttacactggc ataactctcta ggattccacc cacaacctaa 420
 cagatcctaa ctctctcata gagngagaaa atctgctaaa atctgacaga agtccaaatg 480
 aatcctttca gatatatgta gcttgctaca cactcagaaa gnaagttct cggaacttga 540
 aagctctctg aaactnttac cagntacaag angttncagc nnatcacact agcagcatgg 600
 ntaanggcaa accagagcag ctaccggaan attaaag 637

<210> 158
 <211> 656
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(656)
 <223> n is a, g, c or t

<400> 158
 tccatacctt taaaattcaa gaatgttgtg ttctaattggc agtttgaccg ttgagatatt 60
 aacataggaa catcatttag cctcttaagc ttgaacatcc attaaagcggg aaaaatagtg 120
 cttatttctt agaggtttgc agacattggc taaccaatag ttntgattnt gctggaaagc 180
 aatgtgcaaa ttttcttaga tgtgatcgct tcattttctc ttacatttta gattggcagc 240
 agccaaatgg gcgttccagc ccctnatctc ctgcaagatt cttctcagtt tcataaatct 300
 ggtaattttt gagctctttt cccaacaggg tgctgcagct caccaagtgg aatctacaac 360

atcttctgct accaggatag cagcttgcca gcaggatata ctgaaattac tgggtttcag 420
 tatgatgttg gctggtacga acntcaatca tncgaatcga catgcgcccc gccattctca 480
 taatgaaatg tntccttctc ctttcaacat gttccgcttt ccagcccccc atcctccntt 540
 tattatnttt tttctttcan nnaaaagaag ctttnagnaa acacnnaaac ctcttactcc 600
 ctntagnгаа aggaaaacnt tctttccnnt nctnctccc ctttngannc ncccta 656

<210> 159
 <211> 654
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(654)
 <223> n is a, g, c or t

<400> 159
 cattttaatt tttatatagg atggtattta tgaacatccc actaactatt ctgccgctga 60
 ttgatatttg gatgtgtaca gtttgatgct attataaaat tcttctaaga acattcttgt 120
 acatgttcat tttgtttcgc taggtcctag agtctaaggt atatatccag aagaggaata 180
 gctgggtatt atgatagaat aatgacaaac tagtttctaa agtgattgta ccaattagtg 240
 tttccatagg agaaaagtgt acagctactg gaaaaacagt ttggaatgat ctgaagtata 300
 agaatgttca tagcaacaga atgtgtttct tgtattccaa atgttcacct acagttgggtg 360
 tggtcagtat aagttgttgt tttgtttttt attgtgtgtg tgtttttttt atcctttggg 420
 acagggcctc actttgttat ccaggctaga gagcagtggg acaaacatga ctactgcag 480
 ccttagcctc ccaggctcaa gcagtcctcc tgcctcagcc tcctaagtac ctgggactac 540
 aggcatgtgc caccacacct ggctaatttt tgtattttnt tgtagagaca gggtttcacc 600
 atgttngccc agtctggtct agttttaaac aaagttgtng cctgnggaaa tgat 654

<210> 160
 <211> 683
 <212> DNA
 <213> Cercopithecus aethiops

<400> 160
 ttactgcac tgcacacaaa aaccaccga agaaaaaaag tgtgaatgcc atacaatttt 60
 tttcaatgca agtatggaac actgtacac actgaaaaac aggggggaaaa aaaaaaagga 120
 aaaagaggag aaccattgaa gaaagcataa aatagcagct agctttctta cgtgtgctgg 180
 aattgtgtct ttgggggtta ccccaaattt tcctatgcta tacactcttc tcacattttg 240
 gtcaatacta gtttctgaat tggaagaggc attatcaatt gctttaaaat gttataccta 300

aaataaagaa acactgagtt agactgtcac cactttgaat acccatcagg agagtgtggc 360
 attgcatgcg aaaatgtatg tgttcctctt aggagatgaa gatcaagtca gctaacagct 420
 gtcaacaaac ttctagtgtg ggcaagaatt ttatggccaa gttgggcttt cctttattcc 480
 ttactggaag aaagtattca gaaaatagca ttttagggga aaaaagtgtt aagtaaagag 540
 aatcctttta agcacacaaa caaaagtgtg gcagtgtaaa ttttgaaact tagtgccttt 600
 tagtatctga agcaaaatga taacaagtta taggattttt tctttatgaa gaatgatgta 660
 agctcactta tgaaagaaga acc 683

<210> 161
 <211> 811
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(811)
 <223> n is a, g, c or t

<400> 161
 ctttcacgag aattctgtct caaaaaaaaa aaaaaagcca aagtcctcaa aatggcctgc 60
 atggcactac attctctggc cctttatcag cactctgaca gctctctcct ttgcttattt 120
 tgctcctcat tctagcctct ggatctttgc ccttgctgtt ccttacgctc ttctcccagg 180
 gatctgaaag gctcacaccc tcacctcctt cagagggttg ctaaaatgtc ttctaccag 240
 tgaagccttc cccaaccacc acattaaaaa cacacaacca gcaccggttc tctatcttcc 300
 ttcactttgc atttgtccat tgtgtaacat cacttacata cttttaattt ttagtttatt 360
 aattcatact gcaaaacaac ttagtttnta ccatgtgcca ggcatgtgcc ctagttgctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatcttt tgaaccttac 480
 attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
 agaaaaaaaa gaggaaggg ctgatttttg tgtctttccc tccanaatgc aagctccctt 600
 gaggatacag atttgngtgt tttttaacta ctgnaatnct ccctgacaat agcgccccag 660
 tnacatagta agggcatttc gannccaatt ttttaaaaat gaagaaaact aggccagtta 720
 ccncagtttc ctggggccca attttcaact ttttagganc ntnaantacc gatataaana 780
 aaattcggtt acagctaggg ctccgnatna a 811

<210> 162
 <211> 757
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(757)
 <223> n is a, g, c or t

<400> 162
 ctttcacgag aattctgtct caaaaaaaaaa aaaaaagcca aagtcctcaa aatggcctgc 60
 atggcactac attctctggc cctttatcag cactctgaca gctctctcct ttgcttattt 120
 tgctcctcat tctagcctct ggatctttgc ccttgctggt ccttacgctc ttctcccagg 180
 gatctgaaag gctcacaccc tcacctcctt cagagggttg ctaaaatgtc ttctaccag 240
 tgaagccttc cccaaccacc acattaaaaa cacacaacca gcaccggttc tctatcttcc 300
 ttcactttgc atttgtccat tgtgtaacat cacttacata cctttaattt ttagtttatt 360
 aattcatact gcaaaacaac ttagttttta ccatgtgcca ggcattgtcc ctagttgctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatcttt tgaaccttac 480
 attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
 agaaaaaaaa gaggaagggt ctgatttttg tgtcttcctt ccagaatgca agctccttga 600
 taggcattcg atccaatttt aaaatgagat actaggcagt tactcagttt tctgggcaca 720
 tttcaacttt tagacaataa taccgataag aaaanta 757

<210> 163
 <211> 749
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <222> (1)..(749)
 <223> n is a, g, c or t

<400> 163
 ctttcacgag aattctgtct caaaaaaaaaa aaaaaagcca aagtcctcaa aatggcctgc 60
 atggcactac attctctggc cctttatcag cactctgaca gctctctcct ttgcttattt 120
 tgctcctcat tctagcctct ggatctttgc ccttgctggt ccttacgctc ttctcccagg 180
 gatctgaaag gctcacaccc tcacctcctt cagagggttg ctaaaatgtc ttctaccag 240
 tgaagccttc cccaaccacc acattaaaaa cacacaacca gcaccggttc tctatcttcc 300
 ttcactttgc atttgtccat tgtgtaacat cacttacata cctttaattt ttagtttatt 360
 aattcatact gcaaaacaac ttagttttta ccatgtgcca ggcattgtcc ctagttgctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatcttt tgaaccttac 480


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attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa      540
agaaaaaaaa gaggaaggagg ctgatttttg tgtcttcctt ccagaatgca agctccttga      600
ggatacagat ttgggtgttt tntactactg natctcctga acaatagcgc cccagtacnt      660
aggtagnnca ttcgatccaa nttttnaaaa agaggancct agggccagtt aactnaagtt      720
ttctggggcc ccatttccaa actttttaga                                     749

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<210> 164
<211> 741
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(741)
<223> n is a, g, c or t

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<400> 164
ctttcacgag attctgtctc aaaaaaaaaa aaaaagccaa agtcctcaaa atggcctgca      60
tggcactaca ttctctggcc ctttatcagc actctgacag ctctctcctt tgcttatttt      120
gctcctcatt ctagcctctg gatctttgcc cttgctgttc cttacgctct tctcccaggg      180
atctgaaagg ctcacaccct cacctccttc agaggtttgc taaaatgtct tctaccaggt      240
gaagccttcc ccaaccacca cattaaaaac acacaaccag caccggttct ctatcttctt      300
tcaactttgca tttgtccatt gtgtaacatc acttacatac ctttaatttt tagtttatta      360
attcactactg caaaacaact tagttttttac catgtgccag gcattgtccc tagttgctga      420
caatacagtt gaaaataaaa tagacaaaaa tcccatcttt tgaatctttt gaaccttaca      480
ttgggagtga caggcaaaaa cgaggtaaat cagtaaaata cgtgagacag aacgctaaaa      540
gaaaaaaaaa gaggaaggagg ctgatttttg tgtcttcctt nccagaatgc aagctccttg      600
aggatacaga attngtgtgt ttttnnacta ctgnatctcc tgacaatagc ncccagtaca      660
tagtaggcat tcgatccaat tttnaaaaga ganactaggc angtactaag tttntggggcc      720
cattnnactt ttaagacaat a                                           741

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<210> 165
<211> 727
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(727)
<223> n is a, g, c or t

```

<400> 165
ctacgataca tgtaacattc tacgaacaac catggtgagt agaaccatct ggattttcca 60
tcactttcat ttaaaagact ctgttgatat tctaggtact gattccatat atcagtatca 120
acaaatttct caaccaaggg gataattggg ttatctgttt gcaattcatt ccgtaattta 180
gaaaggagag aaatagcttt cttttcagct tccacgcctt cctgcaaaaa tacaagaaaa 240
atcaattgtg tgtgtgtctg tgtctgtgtt tgtgtgtgcg tgtctatgca attcctctag 300
ggtaacatat ttttacagac ttaagaagaa aagaaaaatg ttcaaactac attatacttc 360
tttaaacatt acatttagaa ctcttaaact gaaaatcaaa aaacacacac agatctcata 420
tgaacataat catgccttat ctatctaagt tctggccttt ctgtgtcttc ggtgatcatt 480
actacagagg gaaaggaacc cctgacagat tttccatgtc tttcatgctt ccatacacat 540
tcttctttca ccattgacac cactagaaaa gaaactgtgg cttttctgag gtttcttttg 600
gtagctcaat tttttttttt aacttgtttt ccactgagtt ctagctaggt gagagatgag 660
atatgctgac atacaaggcg ctacaatata tctcacatga caggccantg ggagtgggga 720
naaatgt 727

<210> 166
<211> 713
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(713)
<223> n is a, g, c or t

<400> 166
cacgagaatt ctgtctcaaa aaaaaaaaaa aagccaaagg tcctctaaaa tggcctgcat 60
ggcactacat tctctggccc tttatcagca ctctgacagc tctctccttt gcttattttg 120
ctcctcattc tagcctctgg atctttgccc ttgctgttcc ttacgtctct ctcccaggga 180
tctgaaaggc tcacaccctc acctccttca gaggtttgct aaaatgtctt ctaccagtg 240
aagccttccc caaccaccac attaaaaaca cacaaccagc acccgttctc tatcttctct 300
cactttgcat ttgtccattg tgtaacatca cttacatacc ttttaatttt agtttattaa 360
ttcatactgc aaaacaactt agtttttacc atgtgccagg cattgtccct agttgctgac 420
aatacagttg aaaataaaat agacaaaaat cccatctttt gaatcttttg aaccttacat 480
tgaggagtgc aggcaaaaac gaggtaaaat cagtaaaata cgtgagacag aacgctaaaa 540
gaaaaaaaaag aggaaagggc tgatttttgt gtcttccct ccagaatgca agctcccttg 600
aggatacaga tttnggntgt ttttttacta ctgtatctcc tgacaanagg cgcccagtaa 660

cataggtang gcattcgatn ccaatttttn aaaatgagan actaggcagt tac

713

<210> 167
 <211> 714
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(714)
 <223> n is a, g, c or t

<400> 167
 ctttcacgag aattctgtct caaaaaaaaaa aaaaaagcca aagtcctcaa aatggcctgc 60
 atggcactac attctctggc cctttatcag cactctgaca gctctctcct ttgcttattt 120
 tgctcctcat tctagcctct ggatctttgc ccttgctgtt ccttacgctc ttctcccagg 180
 gatctgaaag gctcacaccc tcacctcctt cagaggtttg ctaaaatgtc ttctaccag 240
 tgaagccttc cccaaccacc acattaaaaa cacacaacca gcaccggttc tctatcttcc 300
 ttcactttgc atttggtccat tgtgtaacat cacttacata cttttaattt ttagtttatt 360
 aattcatact gcaaaaacaac ttagttttta ccatgtgcca ggcattgtcc ctagtgtctg 420
 acaatacagt tgaaaataaa atagacaaaa atcccatctt ttgaatcttt tgaaccttac 480
 attgggagtg acaggcaaaa acgaggtaaa tcagtaaaat acgtgagaca gaacgctaaa 540
 agaaaaaaaa gaggaagggt ctgatttttg tgtcttccct ccaaaatgca agtccttga 600
 ggatacagat ttngtgtgtt ttttanttac tgtatctcct gacaatagcg cccagntcc 660
 atagtaaggc attcgatcca atttttaaaa atggagatac tagggcagtt tact 714

<210> 168
 <211> 792
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(792)
 <223> n is a, g, c or t

<400> 168
 ctttcacgag attctgtctc aaaaaaaaaa aaaaagccaa agtcctcaaa atggcctgca 60
 tggcactaca ttctctggcc ctttatcagc actctgacag ctctctcctt tgcttatttt 120
 gctcctcatt ctagcctctg gatctttgcc cttgctgttc cttacgctct tctcccaggg 180
 atctgaaagg ctcacacctt cacctccttc agagggtttgc taaaatgtct tctaccaggt 240

gaagccttcc ccaaccacca cattaaaaac acacaaccag caccggttct ctatcttccct 300
 tcactttgca tttgtccatt gtgtaacatc acttacatac ctttaatttt tagtttatta 360
 attcatactg caaaacaact tagtttttac catgtgccag gcattgtccc tagttgctga 420
 caatacagtt gaaaataaaa tagacaaaaa tcccatcttt tgaatctttt gaaccttaca 480
 ttgggagtga caggcaaaaa cgaggtaaata cagtaaaata cgtgagacag aacgctaaaa 540
 gaaaaaaaaag aggaaagggc tgatttttgt gtcttccttc cagaatgcaa gctccttgag 600
 gatacagatt tgttgtgttt ttactactgt atctcctgac aatagcgccc agtacatagt 660
 aggcattcga tccaattttt aaaatgtgat actaggcagt tactcagttt ctgggcacat 720
 ttnaactttt agacnataat accgattaaa aaaancgggt ncagctaggc tacgatncaa 780
 gananaactg tn 792

<210> 169
 <211> 691
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(691)
 <223> n is a, g, c or t

<400> 169
 ctacgaacaa ccatgggtgag tagaaccatc tggattttcc atcactttca tttaaaagac 60
 tctgttgata ttctaggtac tgattccata tatcagtatc aacaaatttc tcaaccaagg 120
 ggataattgg tttatctggt tgcaattcat tccgtaattt agaaaggaga gaaatagctt 180
 tcttttcagc ttccacgcct tcttgcaaaa atacaagaaa aatcaattgt gtgtgtgtct 240
 gtgtctgtgt ttgtgtgtgc gtgtctatgc aattcctcta gggtaacata tttttacaga 300
 cttaagaaga aaagaaaaat gttcaaacta cattatactt ctttaaacad tacatttaga 360
 actcttaaac tgaaaatcaa aaaacacaca cagatctcat atgaacataa tcatgcctta 420
 tctatctaag ttctggcctt tctgtgtctt cgggtgatcat tactacagag ggaaaggaac 480
 ccctgacaga ttttccatgt ctttcatgct tccatacaca ttcttctttc accattgaca 540
 ccactagaaa agaaactgtg gcctttctga gggttctttt ggtagctcaa tttttttttn 600
 aacttgtttt cactgagtt ctagctaggt gagagatgag atatgctgac atacaaggcg 660
 ctncaatatt atctnacatg acaggccaat t 691

<210> 170
 <211> 699
 <212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(699)

<400> 170

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ctcaaaaaaa aaaaaaaagc caaagtcctc aaaacggcct gcatggcact acattctctg      60
gccctttatc agcactctga cagctctctc ctttgcttat tttgctcctc attctagcct      120
ctggatcttt gcccttgctg ttccttaagc tcttctccca gggatctgaa aggctcacac      180
cctcacctcc ttcagagggt tgctaaaatg tcttctaccc agtgaagcct tccccaacca      240
ccacattaaa aacacacaac cagcaccggt tctctatctt ccttcacttt gcatttgtcc      300
attgtgtaac atcacttaca tacctttaat ttttagttta ttaattcata ctgcaaaaca      360
acttagtttt taccatgtgc caggcattgt ccctagttgc tgacaatata gttgaaaata      420
aaatagacaa aaatcccatc ttttgaatct tttgaacctt acattgggag tgacaggcaa      480
aaacgaggta aatcagtaaa atacgtgaga cagaacgcta aaagaaaaaa aagaggaaag      540
ggctgatttt tngtgtcttc cctccagaat gcaagctcct ttgaggatac agatttngnt      600
gtttattact actgaatctc cnggacaaat agcgcccagc acatnagtan gccattcnat      660
ccaatttttn aaaatgagat actagggcag tnaactcaa                                699
```

<210> 171

<211> 767

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(767)

<223> n is a, g, c or t

<400> 171

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catctcacag agttacatct ttcccttcaa gtaatccttt cgctaaggct gttcttgtgg      60
aattggcaaa gcgatatttg gaagcccgtg gagggctatg gtgaaaaagg aaatatcttc      120
cgttcaaaac tggaaagaag ctttccgaga aactgctctg tgttctgtga attcctcttt      180
tagaattttc ttcagaactt gtggcacatc attaaacctc cgtcagtgat cacatatctt      240
catccttttg agtcaattta tttttggaaa cagtcaaaag tcaactcggag tgacttcagt      300
agaatgaagt gtgtgatcaa attggataaa aacttttttt tttaatcaaa aatgagtaac      360
taaaaaaaac agaagactaa attttctttt tgaggcatgt aaactggctc tgaaagaagt      420
tccaaataat tcaaagatgg ttttagcaat ggcagcactg ctgaaatcca tcagtctctc      480
```

aaggtgactt aaaaggataa atatcattcg gatgcataga gccaatccgg tccaccacct 540
gttttgtctg actcacatgc taagagtggg ttttatattt ttgaatggct gaaaacaaaa 600
gtgaaagaaa agtagtattt tgtgatacat gaaattcaaa tttcagtgtt cattaaataa 660
agntttcttt agaacacagc catgctcatt cttacatatt atttaaggct gcttttcaca 720
ctacaacgac aggnttcagc agctgcaana aaaaccacat ggcccca 767

<210> 172
<211> 769
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(769)
<223> n is a, g, c or t

<400> 172
ctttcacgag attctgtctc aaaaaaaaaa aaaaagccaa agtcctcaaa atggcctgca 60
tggcactaca ttctctggcc ctttatcagc actctgacag ctctctcctt tgcttatttt 120
gctcctcatt ctagcctctg gatctttgcc cttgctgttc cttacgctct tctcccaggg 180
atctgaaagg ctcacacctt cacctccttc agaggtttgc taaaatgtct tctaccaggt 240
gaagccttcc ccaaccacca cattaaaaac acacaaccag caccggttct ctatcttcct 300
tcactttgca tttgtccatt gtgtaacatc acttacatac ctttaatttt tagtttatta 360
attcactactg caaaacaact tagttttttac catgtgccag gcattgtccc tagttgctga 420
caatacagtt gaaaataaaa tagacaaaaa tcccatcttt tgaatctttt gaaccttaca 480
ttgggagtga caggcaaaaa cgaggtaaata cagtaaaata cgtgagacag aacgctaaaa 540
gaaaaaaaaa aggaaagggc tgatttttgt gtcttccctc cagaatgcaa gtccttgag 600
gatacagatt tgtgtgtttt ttactactgt atctcctgac aatagcgccc agtacatagt 660
aggcattcga tccnattttt taaatgagat actaggcagt tactcagttt nctgggcca 720
tttcaacttt tagacaataa taccgatnag aaaaacggtt acagctagg 769

<210> 173
<211> 769
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(769)
<223> n is a, g, c or t

<400> 173

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cagagaacac agnagtcagt ttctcagaaa gcttctttcc agttttgaac ggcaagatat      60
ttcctttttc accatagccc tctatgggct tccaaatata gctttgcaa ttccacaaga      120
acagccttag cgaaaggctt cttgaaggga aatatgtaac tctgtgagat gaattctacg      180
atacatgtaa cattctacga acaaccatgg tgagtagaac catctggatt ttccatcact      240
ttcatttaaa agactctgtt gatattctag gtactgattc catatatcag tatcaacaaa      300
tttctcaacc aaggggataa ttggttttatc tgtttgcaat tcattccgta atttagaaag      360
gagagaaata gctttctttt cagcttccac gccttcctgc aaaaatacaa gaaaaatcaa      420
ttgtgtgtgt gtctgtgtct gtgtttgtgt gtgcgtgtct atgcaattcc tctagggtaa      480
catattttta cagacttaag aagaaaagaa aaatgttcaa actacattat acttctttaa      540
acattacatt tagaactctt aaactgaaaa tcaaaaaaca cacacagatc tcatatgaac      600
ataatcatgc cttatctatc taagttctgg cctttctgtg tcttcggtga tcattactac      660
agagggaag gaaccctga cagattttcc atgtctttca tgcttcata cacattcttt      720
tttcaccatt gacaccactn gaaaagaaac tgtggccttt ctgaggttt      769

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<210> 174
<211> 784
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(784)
<223> n is a, g, c or t

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<400> 174

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```

cttcaaagt tgaaaaagag ctgaaatgct gcacagctga atgaaggatc ttctcaaggc ,    120
tctcctggcg cgagccaatc ccagcctcat gaacgagaga gatcctgaca cccacagatg      180
ggcacctcac agccacatgg agacagagac aggctcgggtg accagccacc ctacagcca      240
cacggggaca ggctcgggtga ccagccaccc tcacagtcac acggggacag cctcgggtgac      300
cagccaccct cacagccaca tgggacaggc tcggtgacca gccaccctca cagccacacg      360
gggacaggct cggtgaccag ccaccctcac agccacacgg ggacaggctc ggtgaccagc      420
caccctcaca gtcacacggg gacagcctcg gtgaccagcc accctcagag ccacacgggg      480
acaggctcgg tgaccaggca ccctcacagc cacacgggga caggcttggt gaccagccac      540
cctcacagcc acacggggaa cagctctcgg tgaccagcca ccctnagagt aacatgggga      600
caggctcggg tanccagcca cccctcacag ncacacgggg gacnngggctc ggtgaccagc      660
cnacnctnac agncacaccg gggacagggc tnngtttacc agcccacccc tcacagaccn      720

```

cacggggggac agggtttcgt ngaccagccc accccttaca ntccacacgg nggnacagcc 780
ctcg 784

<210> 175
<211> 733
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(733)
<223> n is a, g, c or t

<400> 175
aatgtgggaa atgcatcatt tgaaacattt taatggagag actagtattt gatataattaa 60
tgtaggttc ctcccagaac ttaattttta aaatttttat ccaaacttat ttacttaat 120
tatcaccatt tattgaatac attaattgaa atagctcagc tcttctgacc tgtggagcaa 180
aggmntgacc ctgaggatct cctggaagct gccctcaact aagcagaact ,cagaggaaac 240
ttttgactga gaaactgagg tgggtcaaatt gtgctaattgt taaaatacat aaaatagaac 300
atttctttca atcagaacta ctgacactat tacatggcac aggttgccag ttactctgat 360
tagaaatact aaacagaaaa aagaaaacac ttggcttgga tccttaaaga ggtattttacg 420
gaaggtgttg ccaacacagc ccatcccaat gtctggtgag atttcctgtc tgggagaggt 480
ctatggggtc tcacccaaac accacagacc ccagtagcat ttcttggtact aatgtttcttg 540
tcttttcaca gtgctctgct gatttgggtct ttagataacn tgggtcttctt tcctcttcat 600
aggnatctat acccctgaa gtgtgggtcc ttagactcag ggggcttctt caaaagccct 660
tttggattca gnanaaaaag aancctgggc acttaactgg ggctnaaaga aacacttctn 720
ccgggttccn caa 733

<210> 176
<211> 729
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(729)
<223> n is a, g, c or t

<400> 176
catgtccttt tcagtaacat ggatgtaatt ggaagccatt attctaagcg acattaatgc 60
aggaaaagaa aatccaatac cacatgttct ctctgtataa tcggagctaa acattgggta 120


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cccagggaca caaagatggg aacaatagac attggggatt ccaaaatatg ggatgtaggg 180
aggagggaaa ggatttataa agtgtctatt gggactacg tttagtacct ggggtgctgag 240
atcatttgta ccctaaacgt cagcattatg caacatacca atgtaacaaa cctgcacatg 300
tagactctga atctgaaagt tgaaatactt tttaaaagtc tattatatta tcacacaatg 360
accccataaa caacaacaaa aaaaagtga agtaaaaaaa cgcaaggtct ttagacgtag 420
gaatcagaat gatataaaga aggaaaagag atttatacta atatagaacc tttttagaca 480
tgaattttta aaaaatgata cctagggttat caagttactt ttgtgtccac ctaatattta 540
tacactgtat ccctaaccac aattggctgt attttgaaga cagagccctc aaaggaagta 600
attcagggttn tgggtgtcct ataaggagga gaacactagn agnatctcag cttctctcca 660
ccccaccccc aacccccaca aaaacatggt aaagaaaagnc tttatnttgn gggacacagt 720
nggagaaaa 729

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<210> 177
<211> 679
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(679)
<223> n is a, g, c or t

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<400> 177
catgcaaggt caggtgcagg catctcttcc aatagggcag tgtctaccag gtagggctct 60
tctcctctta gaatcattna tggaaatata attcacacaa cataaaattc accctttaa 120
actatactac acacacacac acacacacac acacacgaat aaaccatatc ccattagcag 180
ttattcaaca cactctgccc ctttgacccc tggaaataat cactaatcta ctggctggta 240
ttatggattt gcttattctg gacaaatcat agaaattgaa tcattaaaca tttgggttatt 300
ttgaatctat cttctttcac ttggcataat gtttgcaagg tttatccatg ttgcagcaag 360
taccaatact cattcctttt tatgcttcca taatattcca tggatatatt ataattttag 420
tcaattttta agtcggtgaa catttacact gtttctcctt tttagctatt atgaataatc 480
ttgctatgaa tattcatgta caagtttttg cataaacacg ttncaattc tctattatgc 540
acctagaagt ggaattggta ggtcatatgg taattctatg ntnaactttt gngaatatat 600
gccaaactat tttccaaagc aactgcaccc atttngtatt accaccatta aggnataaaa 660
ngttcctact ttcttcaca 679

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<210> 178

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<211> 737
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(737)
 <223> n is a, g, c or t

<400> 178
 ctttcataat gaaaagaaaa aaatgaattt caactagtat cgatttttcg gtgtgtgggg 60
 gcagggcatt taagggtatt atttcctagt aatgatcact tagattctaa gccttaaaca 120
 tgattcaaat gcagcagaaa tcaggaaaga agcaacagat acggtgggtgc atatcgaatg 180
 tctagactac aaggcaaaac ccaaatacca aagaagcatc catgtgtcaa accagcataa 240
 tttctaagct atgcctgggg ccacatacaa aaaaaaaaaa aaaaagggtta gtttgaaaga 300
 aaaatctagg aggggtaacc agaagggtcaa cccagtttca caggaactgg gaagaagcta 360
 gccgttacc tgtgacatct tcttgagcag cttcctccgc agccagctcc ccagcctcct 420
 tacaatgttt caaaaggcc caactcccta aacatttgct tcttcaaggc catcctaaga 480
 taaggcagtg aataaccacc aaacactgag tcacggatac ctttcggcta aaaaagatcc 540
 cccttcccaa aatcattaca taaatacttt aaatgccaag agggttttct ccggaactcc 600
 accagaaact ccagnactt taatttagat tgggcaacta aatgtgttca anttttgcgc 660
 cataaaatat taaaggcttt tcagggtctg caantncagt tcaaaacagg tgctttcagt 720
 gtacgctgaa taacagg 737

<210> 179
 <211> 759
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(759)
 <223> n is a, g, c or t

<400> 179
 cagatttttc tttagaatt ttgtttattg caataggatt atcaaagtaa aattaaaaaa 60
 gtaatgaaaa aattaaaaaa ataattttgt agctaccctt cctataaaac ttatccagat 120
 tacttcttga cctatacttt gagagcagag gaaatctagc tacattaact cagtagctct 180
 gcaacttcta ggtaatttct tacctgaaca gtatatccta agtactgtaa ttcctgcatt 240
 gcttgcacat ttgagtttat tattccatcc ctgtattaca ataaatattc ttacataaaa 300
 ctttcaagag aaaaagcatt caaggatat gtgtgtgtac acacttatat atatgtgtat 360

```

atatactcct gtaaaccata attggagttt aaaaaatata tggatatttgc aattttctct 420
tctttctctc tgtctctctc tctctctctc tctctctctc tctctcttctc tttegatgga 480
gtcttgctct gtcaccacagg ttggagtgc gtggtgtgat ttcagcttac tgcaacctcc 540
aactcctggg ttcaagtgat tctcctgcct cagactccca agtagctagg actacaggtg 600
cgtgccacca tgcccggtta atttttttgt attttttagta gagatgggggt ttcaccatgc 660
tgnccagact gntcttgaac tccctgacct tctgatccac ccgcctcgtc ctcenaagtg 720
ctgggataca ggmcatgagc caccaccccc gccgggtatt 759

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<210> 180
<211> 770
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(770)
<223> n is a, g, c or t

```

```

<400> 180
cagcttttat atatgctgag ttcaagacac ataagtacat atagataant aatgtacact 60
tcttctgtaa gaagacatat aagactgtaa tccatgagag agggaagtct aagatgacat 120
gtttgggaat cttttatatg gacatgatag atgaagccaa agagaacaat gaaatgattc 180
atgttgagtt atttgacatt ttaaaaagta tataagtatt ttaatagtgt gaccatttgt 240
gtctggaaat tttgaaaagc acaaagatct acaatgattt atttatctct atactgatct 300
gtaggaagtt tttggcatgg gaaattgtgc taatgagtat ttggaaacaa gtgtattaag 360
taagggttta caagatcatt agactttcat tttgcagact caatcagatc tgttcactat 420
agtctcctgt tggcataatt ggtttcctga ggacttatta cctgtagatg cacaattttt 480
cattccaaca atgttctgca ttccttttgg actttcctgt cttgaggatc tctttaaaga 540
gctaaaacct caggaacttc ttctacttgt ttctttaaag tcaggatgag agacagaata 600
aggcatccag ccatgatggt ttttccccag gttcttctct catgctaagc cctttatggt 660
acgatgtgcc tctcaaagga gaatgcagat ctaatactat tgcaccactc tgaaagaagt 720
atgaggagaa ggcanaagag ctatgaaaag aaaaacatcc tgatcttttt 770

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<210> 181
<211> 706
<212> DNA
<213> Cercopithecus aethiops

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<220>
 <221> misc_feature
 <222> (1)..(706)
 <223> n i s a , g , c o r t

<400> 181
 ctttcatgcc tagtaaagag tggggccttg cctggagagg gaggcctcat gggccagata 60
 agggagatgc tggcccatct gggcacgcat gtgcccgtag gctttccctg tcgagatgat 120
 caactggaaa ggcagagaat gcggcctgga ggctcagaaa catccttgaa gccatatccc 180
 caggtcctag tcctaactgc cactcttttc tttttttgaa atgggggtctt gctatgttgc 240
 tcaggctgga ctccaactcc tgggcttaag cgcttcctcct gcctcaactg cccaagcagc 300
 cacaaaccac acctggcctc ttcttgccac ttctagctta gcagggtggct tcactctgtat 360
 acgggggatga cgtgactgct tgggggaatg agctgagccc ttgggtggaat catggttcat 420
 gcaagaggtc tccggcaaaa tgctccaggc ttggagtctg ctgggcgctt ctaccctga 480
 caatccgttt acttaccacc accctctgtt cagacaggga agttctttcc atcaggatta 540
 tagcgaggat tgggtcttcat ggcacccttg gcatccgagc acgtgttggt ggagctgttc 600
 tacgagccag gacacaccag ggaacgggtn cccgcaataa acaccgtct ctctctgta 660
 ctcaagttct tcgggggttg aacattctga gagcttgtcc ttcatt 706

<210> 182
 <211> 740
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(740)
 <223> n i s a , g , c o r t

<400> 182
 cngngnctcg atcgttcctc ccacctcagc ctcccaaagt gctgtgttac aggtgggagc 60
 cactagacc agctgaatta tggattttta aggctgcttt atgtcaaaca ttgcgggttc 120
 ttttaatat gttttccaga ttttaagattt ttttctttta agctttgtat aatttatagt 180
 aatttggtaa agtacttttg aaaacaaaaa tgaaaacatt tgcttttctt ctctacctga 240
 accctccaga atttagaagc aatttatgat tattcttatt ttacagcaa catggttatt 300
 tgcatagggt cagtaagaat ctgttctctg tccaggcaca gtggctcaca cctataatcc 360
 cagaactttg ggaggctgag gcaggcagat cacttgagat caggagtcca agactagcct 420
 ggccaacatg gcgaaacct gtctctaccg aaaatacaaa aattagcctg gcgtgttggg 480
 catgtgcctg gaatcccagc tactagggag gctgagtcag gagaatcact tgaacctgcg 540

```

aggtggaggt tgctgtaagc tgagattgta ccactgcact ccagcctggg tgacagagtg      600
agattttgtc tcaaaaaaaaa aaggagggcc aggcatagtg gctcatgcct gtaattccag      660
cactttggga gaccangggg agcgaatcac anggtcagtt cgaggtgact ntaggganaa      720
aattatgttt naatagaaaa                                         740

```

```

<210> 183
<211> 720
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(720)
<223> n is a, g, c or t

```

```

<400> 183
aaacagtaaa aaataaggaa ttttactttc tctggggctc ccaggctctc tgggtgggctc      60
agggcccaag tggagcaggg aagaaggggc cactctttct gaagtctccc tgcataaatg      120
aaaataacag ttgagtggca gtcacacact tagaagcaaa tcattctgat tttgccttct      180
agagcagaga tgtctccctt aagatccatt ttaccccagc agaaaaagcc cgggttgtct      240
ggattgtagc aacgctgttt tgacagaaaag ccctatgatt tttctcacia acttccctaa      300
ggatgctatc tttcagctac acatacttag attatttctt ctccctcacc aactcaatct      360
aatgttgcta aggggttcag tactttctct ctgctgctta cctcgtccca acccccaagt      420
tctttcccaa attccagcag ctgggaccag tctctgggac agagcagaaa taacatggaa      480
attgggggta gggttaaaca catctatcag tctaggaaca ggtagaaaag caacaccccc      540
gtgactacaa gtttggtagt gggcaacaat tttcttatcc atcatgggtg gtgggtgtggg      600
tagtnattga gcataanttt attttagtag gtgaatttgt ttactgggct ntnaagggct      660
acatggaggc tgtccaagga aaganattcn ataatnaatg gaaatttatt ataatttaat      720

```

```

<210> 184
<211> 775
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(775)
<223> n is a, g, c or t

```

```

annnnactna nnnnnnnnat cggctnnttn nnttgggggg naanccagta cttcaaaact      60
ttgtattatt taataaatga tactgactag ttggctaaac atttgaacaa aagataaatc      120

```

```

tccaaacccat tctaccacc aaaataaatt ctagaaatga acaaagattt caaagtaaga      180
agtaatccac aaaagtacgg aagaaaacaa tcttaaattg gagaaggact ttctaaacat      240
ggcaccaaag gtagaaacca aaaggaatca cttgcagggt tcatcacata aagattttta      300
aattttctata catccaaagc actacaatgt tcagctcaag atggcagggt aggcacattt      360
gcctttcatc tttagagaac catttaaata aaaagacgga ggtacaatga ggaaaaactg      420
taacagggaa gagacgggct ggaacgacag gaagcagatg agccagctgg gagatgaacc      480
agctgaaaga gctgcagtgg agatgaaagc ctgtcctgtg canactgtgg aggaaggagt      540
gaaagacccc acctgtaggt ttggcaagct agctgaggat cgttncncat gattgaacaa      600
natggattgc acnctgggtn tccngccnnt tgggtggana ggctnttnnn ntttnantgg      660
nccaacanac antnnnntgt ttnatnccnc cnnntncngn tnnnannnnn gggncccn      720
ttttnttnn ananccacct nnnnnnncc cnnatnaact nnnnncnang nnnnn      775

```

```

<210> 185
<211> 400
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(400)
<223> n is a, g, c or t

```

```

<400> 185
tttttcccg ngggngnnnn nnnnnnnnnn nnnnnnnncc ccccccttn nnnnttgggg      60
gggggggaaan ncccccccc ctttnnnnnn ttttnnnng nnnnngnnac aggttttttg      120
ncgnggggat nntnttance ccannntttt nnnccagnng gnnnncannc nnnccagcnn      180
ggngnannnn tgctnnctg cncgnnncca gcccgctct tnnctgnta cagnnnntc      240
ctnattgnac ctccgctnt ntatntaaat ggntctctaa agangaaagg caaatntttt      300
tttctgcca ttttgagcng aacattgnng ngctnnggat gnatagaaat tntaaaanct      360
tnntgtgang aaaccngcaa gtgntttttt tnnngnncct      400

```

```

<210> 186
<211> 951
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(951)
<223> n is a, g, c or t

```

```

<400> 186
ccgccnggtg ntgggaaaga cnnnggacgc ttcagaccac aggnaggtac catcctggaa      60
cctggaatct ggaacctcag gggctgacct ggcactgggt gggcctggaa cctgtatctg      120
cagcccagaa gcagggctctg caggtgcaag cctgatgccca ggctgcaggg gacagccgng      180
agcnggtttt tnttgaggca ggggntgata angccagcag gcccaaagca aagnctaggg      240
cnnatntntg tctctaccc ccatgcngag gatacctnnn ttnaagctgc ggagccngag      300
gaagggaggg ggcgcangca agagaatgtc anaactancc ttncnnacct nctncagngc      360
nacctccagg ngctgtaanc actcactagg anacccttaa ggncnnactg aaaggagcnt      420
ccctangagn gatggnagca aaaaananga nacgacactn cgactgcngg gngacgtgca      480
acntggaaag actctgnncc ctncancacc tcgggnanac tatnacaaag angnccccca      540
ncacctncan aatgaaagna aangtgancg ngcnanacca acnncgacnn ccctnggccca      600
agagaacacc aataacnaga ntagganatc caaaagcggg aaanacnaca gngctatnng      660
gaatgcncaa gccaccatnn cttgcantgg nncaacagnt gnaatcnaaa nctacnnccn      720
cnatacactg gagagacaan naccnagcnc cantaaagcg nnaaaaanga gaaaacgnaa      780
aaaancgcgc annngngcng ncnaatngcc cnnaccntaa ccctccnnan aaaaannaat      840
cnngaacctg gnnacgacnn ncnaagnggc ncaanccncc cncaggcgnc tcnnccnccct      900
gccacnanca cccngagacc ncnnacagagn caccngcctn acncacccan c          951

```

```

<211> 450
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(450)
<223> n is a, g, c or t

```

```

<400> 187
tntctntttt ggggtnnnan nnnnnnnnnn anntccncca atnnnnntgg gggggaannc      60
ctggtttcct gcactctccc tcttttccac tcatgtcgcc aggtctccca aatgttcct      120
gactattctt tccctttttt gtgcccacct gtgccccagg cacagcatgt gacctagtcc      180
tgaggagtccg cggtggcaga actgcaggcc gttggggcct ccaagtagac catgcaagtt      240
tcacagccat attnctctga tatcagaagc taaggagtcg tgcctggcca gtactaggat      300
gggggtccgn ctgggaacac tgggtgatgt aggctttttg cttacagnnc cctccctctn      360
tccccctnca gnnngnctnga tncacaacca tncctgact ntnntntnctn ntnnnnnac      420
ccaactgcat ncnanacaca nncngngact                                450

```

<210> 188
 <211> 338
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(338)
 <223> n is a, g, c, or t

<400> 188
 tncncttnt ggnggannna nncnnnnnnn nnnntccnc ctnnntggg gggggaannc 60
 gnnacntnc nntttangaa agagacgacg cttncgagga agaaggttn tgggacgcgg 120
 gactgggnag agctccagag cccacgacg cgggtcaag gnccttgcg cataggcgcc 180
 ccaccngac gncagggacg cgactnccg gangccccgc gcgccgnng anccagggcg 240
 cgggcnnaga ctgngatcnn ggagngccc ngngccnnnc ngacggngcg nnnnggnggn 300
 cngggcgcg ggcnnngnga nnggacagnc nggagcnt 338

<210> 189
 <211> 936
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(936)
 <223> n is a, g, c or t

<400> 189
 ttttnngggg gaannnnnn ngnggtangn nnnnnnccn ccgcggttn nccttggggg 60
 ggggaannncc nnnccangtn nctttttcat gnaaagnnga cgacgntctc cgaggaagaa 120
 ggctccggga cgcgggactg ggtagagctc cagagcccca gcagcccggc tcaaggtccc 180
 ctgcgcatag gcgccccacc gtgacgtcag ggacgcgact cccgcgatgc cccgcgcgcc 240
 gtctgatccc aggcgcgggc tcannntttt atctcggagt tcccctgcgc ctctctgacg 300
 gtgcgttctg gcggcctcgg gcgcgggctc tgcgatcgga cagcctggag cctttggcct 360
 cgatttacat gggaggcccc tcgaaacagg gcacgtcact tgccccggg cacctgcgga 420
 cggggagact ctcggttgga ctccaaggcc tgacattccc ctccggtttt caccgaggag 480
 gatgaggatg ttgtcaggag ctgcggcaag gctggaggag cttgcgttgn gtccaccnc 540
 ctctgnacag gccttagcat ncaccncag tttctccctt gacttntgaa ccnaactcc 600
 ttacccccgc aagttnnnc cctgtttnga ttgctgaaac tgcaagtgc ggaagantaa 660
 aatgtttgcc naagcntnat gcttnanggn ggntgccngg gtataaggtc angggttggg 720

ggcccttnnc cctgnngggt nggenttaag ntaaccagg gnncttgga nttnantnt	780
attcaanana tgccanggn ntcggntnn aangntntt tnnanaaaat nttncctt	840
nttannctnt annccnagg gaaanccntn gggctctgtt tngccctgna aanacnatna	900
aaggggtaat nccccnct tnaatntnnn gncnc	936

<210> 190
 <211> 936
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(936)
 <223> n is a, g, c or t

<400> 190	
tttttnngng ganncnnnn gttntngnn nccccccc ccatnnnttt ngggggggaa	60
nnccnnnca cgtcctcntn atgaaagaga cgacgcctcc gagaagaagg ctctgggtac	120
gcgggactgg gtagagctcc agagccccag cagcccggt caaggtcccc tgcgcatagg	180
cgccccaccg tgacgtcagg gacgcgactc ccgcatgcc ccgcgcgccg tctgatccca	240
ggcgcgggct cagantnna tctcggagtt cccctgcgcc ttctgacgg tgcgttctgg	300
cggcctcggg cgcgggctct gcgatcggac agcctggagc ctttggcctc gatttacatg	360
ggaggcccct cgaaacaggg cacgtcactt gccccggtc acctgcggac ggggagactc	420
tcgggttgac tccaaggcct gacattcccc tccggttttc accgaggagg atgaggatgt	480
tgtcaggagc tgcggcaagg ctggaggagc ttgcgttggg tccaccgcc tctggacagg	540
ccttagcatt caccgcagt ttctccctga ctttgaacct aaactcccta cccccgcaag	600
tccttccctg ttttgattgc tgaactgcaa gtgacggaag aattaagtgt tggccgaaag	660
ctgatgcttc agggggtgca ggntagaggt caggggtggg ggccctngcct tngngngnc	720
atantgtanc ccanggtcn gcactgantn ttnnaggaat gcanggaatn gnatannang	780
gtnctaanaa antntcccc tannaactga taccnnagna accntngggc tgnntgancn	840
tgaaaaaccc annagggtaa ngcctnnctt atnngggccc cnntntcnag annaaangcc	900
ctgggggtttc anngaaaacc cnnnnanaaa ntntgg	936

<210> 191
 <211> 951
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(951)
 <223> n is a, g, c or t

<400> 191
 ttttttngng gancnnncng gttgttgnc cntcccgcg attcccttgg gggggnaacc 60
 ccnnncang tncctnttna tgaaagagac gacgcntccg agaagaaggc tctgggacgc 120
 gggactgggt agagctccag agccccagca gcccggtca aggtcccctg cgcataggcg 180
 cccaccgtg acgtcaggga cgcgactccc gngatgcccc gcgcgccgtc tgatcccagg 240
 cgcgggctca nanttnnadc tcggagttcc cctgcgcctt cctgacgggtg cgttctggcg 300
 gcctcgggcg cgggctctgc gatcggacag cctggagcct ttggcctcga tttacatggg 360
 aggccccctg aaacagggca cgtcacttgc ccccggtcac ctgcggacgg ggagactctc 420
 gggttgactc caaggcctga cattccccctc cggttttcac cgaggaggat gaggatgttg 480
 tcaggagctg cggcaaggct ggaggagctt gcgttgggtc caccgcctc tggacaggcc 540
 ttagcattca cccgcagttt ctccctgact ttgaaccaa actccctacc cccgcaagtc 600
 cttccctgtt tgattgctga actgcaagtg acggaagaat taagtgttg cgaaagctga 660
 tgcttcaggg ggntgcaggg tagaggtcag gggtaggggc ctgccttgt ggngtgcata 720
 tgtagcccag ggtcntggca ctgattntta ttaggaatgc agggantng attagatggt 780
 ttcttagaaa atatccccn tgnanctgnt acctgagnaa ccgctgggct ggcatnacct 840
 tgnaaaaccc agaanggtta nngccctttc ttantngtgg ccnattttt tcaggacnaa 900
 angggccntg gntttncaat gnaatcnct ttgcncnaan nctgggttc t 951

<210> 192
 <211> 938
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(938)
 <223> n is a, g, c or t

<400> 192
 ttcnngntc ttnntgntan attttcccc ccattttttg ggggggaanc cnacnca 60
 aaaggtagaa attattgata aantntaaat gttacaaact gcngctaaaa gaagcaaaag 120
 agaacatgct gtatgatcct tttttttttt tttttttttt tttttttgag gcggagtctc 180
 actcttggtg cccaggctgg agtacaatgg cacaatctcg gctcaccaca acctctgcct 240
 cnnnttttca agcaattttt ntnncttann ctccctagta gctgggatta taggcatgtg 300

```

ccaccaggcc cagctaattt tgtattttta gtagagacgg ggtttctcca tgttggtcag      360
gctgggtcttg aactcccgac ctcagggtgat ccaaccgcct cggcctccca aagtgctggg      420
attacagacg tgagccactg tgcccggcaa tcttttttct taattttaaa ttttttagag      480
acaaagtctg gcttttctag tnccaggctg gagggcagtg gagccatcct ggctcactgc      540
anccttttnc tcccaggctc aagccatcct nctaccttaa ncttctgag tngctggnaa      600
ctacaggtag acaccacat gtcagnctaa tttttttttt tttttttttt ttgaaaccna      660
atttttttnt tgttcacccc tnntgganan ncaggngna nnanctctnn ccnctcnac      720
cccttacnnc naagnncaat atnaantatc nncctacnnn ccnagntct tnnnntttta      780
annnannttn tatttttntt nnttatantt tacctnnntn tttctnnntn ctanaccctn      840
ntnactnnt nactantct ttttccacnt attcttctct ncnctntnc tnatatcn      900
nncnnnctc tctctntnc ttctttnttt ctnnnatn      938

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```

<210> 193
<211> 804
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(804)
<223> n is a, g, c or t

```

```

<400> 193
tntngggggt nnnaaaacnt tncnnacata atcgccncaa tacaanttgg gnggggaaaa      60
annctgnntc attctcctnt gnacccatct ccatgccgtg naagcatctc ctncctggac      120
ttgcactatc tgggtccata gcccttgctt attcttaaata gggagtcact ctgacttgca      180
ttgtggggaa ggggtatacct ggggcacagt cctctgggat ggacacttcc ataggaaggg      240
gcagttatac gtggacttat gtctcctac actctcatcc agaaccatcc accagaagc      300
aggagttgtt tcttttagaa accagccggc ccaatcagcc cattttatag gtgaaggcag      360
tgaagcccag agagataaag catcttgctc aaggtcacag agccagacct agactaggct      420
gcctggctcc tagttcaggg ctcacccac cctagccggc ttctggctag acagaatcta      480
cccatcctgg ccagactct ctggtgggaa gtcagggatg cagngggtcag gatgggcatc      540
agagccagca ggccctgagc acggnctacc caagtgaac atgaacttcc taaactccag      600
nggaagttag aaatggcana ttgatcagng ctaatgagct taaaacaccc agggattaaa      660
aaaaaaaaca tgaanaagct ntacttnaag cataaatntg ntnaacanaa agganaccng      720
gctncnctnt ntntnanann nacnnnttg aggctnaggg ggnnnngnca tnnngggngn      780

```

ganattngnn ttngnaaggg gnnt

804

<210> 194
 <211> 560
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(560)
 <223> n is a, g, c or t

<400> 194
 ttctanttnn nnnnggttnna ancannnnnn ncatnntcgn cncatnnnnn ttgggagggga 60
 aannnaatna ataatcaaan ttagnaattg aatttagaat ttcatttatg aataaaaagg 120
 ctgggaggaa acacacccca accgacacag tggatgcgat aggataagac tatgagcaga 180
 ttttgttctt ccttttcacc gtctgtatct tccatcaatt atttgtatga ttaaaatcaa 240
 tcatttcaga caagagggac attgtgagct atctgtgaga aatgtcttct atctgtttcc 300
 agatagaagg ggctccagct cggtttgggg aaagtcccaa tgccattctc ttaaccaaga 360
 ggtttcctac ctcatcta atgtggagattc tacttaccgc ggaagactcc cctcctgtta 420
 cctcaagtct gcagccggcc tcccagactt ctgcctnctn ctaaccacag cctgcctggg 480
 tgcaggncgg ngggaaagga gggcatangg ggctgnatnc cgnanaggcc ctnnactcc 540
 tngactnang cagggnnctg 560

<210> 195
 <211> 977
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(977)
 <223> n is a, g, c or t

<400> 195
 cnnccccng gntnccnng ggnnnnnnnn nnncccccc ccnanncttt ggggggggaan 60
 nncnnnctt tngngnatt gnnnggnana annngtnt tcnnaatag natngggcng 120
 canttcaact ncgctaatta acggaacagc aggctngnaa ttctgacaac agcaggacac 180
 aaanggggcn gggatcagca ctgaatgccg gcgaagcatg ccccccccc ttaagaagaa 240
 gcaacaacac cagcaccac attnnntntn gggncaggct catgaaggng cnaccctnga 300
 tttagttana ngcctnccc tgcagcaact ccaagggcnc agggttttta aaatgncncc 360
 tcaggccttc ttnagaggna gcaagccngc cccaactggc ctttttcnna aaaaagangg 420

```

aaacaggnc t gngattggct nagagcagga nncgcccagc ccnttnggct ccccnngggcc 480
acacngnaag aaaaagaatn gnnttggacc acacagaaaa cacaccaana ctaangacag 540
ctgaaaagct caaaaaaaaa atcgcnaaaa aatccctcaa tgctcnaaga agtcncaaaa 600
nncgccgngn gacngnnaca cagctnccng gccngcanga cnnngggggn ncacaggngn 660
cnacaccag gaccagnagn taatatcnna aaagggtaac aanaaaancc ctaataccaa 720
aaangcnatg anaatggaag cnnnacntcc tncaaaagac aagccctang gaaancntcn 780
cncnacccnn nccccaacn ggcanncggg cccccaccca aaaggggggn nccgccccgg 840
aannnaaaan ccnacnnngg ggaaaaanng accnnaancc ngaaanngtc tatancccca 900
cngnccnaaa acctcccang ncaatnacc cncctccta aaaggntagg annaanaenc 960
nggngcaaag ncnncca 977

```

```

<210> 196
<211> 868
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(868)
<223> n is a, g, c or t

```

```

<400> 196
gaannccnnc nnaaaaaacn nnnnnccccc nccccatann ncttgggggg gaaannnccc 60
ccccacaagn natantnagn aggnaggaaa acacanttaa tatatctcac tagcnctcat 120
ttccctcccc caccctcatc ccactccact gctaagagag agaaatnca gcactgctat 180
cctgttntat tatacattnt cccttngag tnaaggattn naagattng aaagtaacag 240
aatagaaacc aaaagtnnta ctcaactncc aatttggctt aaaaagagag aaataatnat 300
tattncctat gnnacccaaa actnattctg nnaataacag ntataattat atattcaaan 360
naataaatga agatcgcaa aatcacctna atataatngn nagcagctaa agaacaaaaa 420
tnnnnnncat nngctnctat aagnagacat cacatganna ctncatnga ccagnaagaa 480
actagnaaaa ncaggcagnc acccaccatn cnnnnctaac annnnnnnc nannctatn 540
caaccnnnnc ggnatanncn naagaagcca aatcaagaaa nnagaccnnc atgcctaaaa 600
aaaaanngng nnatcnnaan acatcangaa caggaaccng nngnanataa cacaggmann 660
cāāāgcnnna ncncaannn cnagaaccn naaacanaaa ggcagcnnan anncaagann 720
agaaacngaa nncacanaac acanagcann nncncanaaa gcnnnnnnca nnnnngaacg 780
aagaaannnc nnnnnaccaa aggcencaag ggcnnncaaa nncnnngcc aannnaaaaa 840

```

aaaccnanca aaggcncnng anggaaaa

868

<210> 197
 <211> 260
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(260)
 <223> n is a, g, c or t

<400> 197
 ttttcnggng gannnnnnnnn nnnnnnnnnn nccncnccgn tnnnnttggg ggggaaannc 60
 nnnncacang nnatnttngn ggaggaaaac acatttaata nanctcatta gccctcattt 120
 ccctcccca ccctcatccc actccacngn taagagagag aaatnncagc actgntatcc 180
 tgnnnnatna tacatttncc ctnnngagtn aaggatnnna agatnnngaa agnaacagaa 240
 nagaaaccaa atnttttttt 260

<210> 198
 <211> 901
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(901)
 <223> n is a, g, c or t

<400> 198
 ggganancnnn agnnngaana nnccaacccc gccaanatnt anggggggan actntcacao 60
 gtatacaaga ggaggaaaac acaattaata tatctcacta gcattcattt ccctcccca 120
 ccctcatccc actccactgc taagagagag aaatttnggc actgctatcc tgtntatna 180
 tacatnttcc cttttgagtn aaggattnna agatnttgaa agtaacagaa tagaaaccaa 240
 aagtttntct aactnccaan nnggctaaaa agagagaaat aatnattatt tcctatgna 300
 cccaaaactn anncngnaa taacagntat aattatatat ncaaataat aatgaagan 360
 cgccaaaatc accttaatat aattgncagc agctaaagaa caaaaanncn ncncannngc 420
 nncnataagn anacatcaca tgatnactnc tatngaccag naagaaacta gnaaaancag 480
 gcagncaccc acccacncnn nnctaacatt cnnnnncnna nncnanccaa cctnnnncgg 540
 natatncnna agaagccaaa ncaagaaaaa nagaccnna ngccnaaaaa aaaacngngn 600
 nancnnaaac atcangaaca ggaaaccagn ngnaaaataa cacagggnat ncaaagcnn 660

tanccggcan nnnnccaaaa acccctaacc anaaaaggcn gncccagaac ccangaaana 720
 gaaaaccnga aanncccngg nnaancccg cncnncccc caatccacaa ccccccgna 780
 naancnccn aaaccancc aaaacanaaa acccngnggc naaaaaggcn cccnaaaaa 840
 aanggnccc cggnccggcg gncgaacncc cnagggncaa nannggggng nagncaaaaa 900
 a 901

<210> 199
 <211> 885
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(885)
 <223> n is a, g, c or t

<400> 199
 ttttttnggn ggnttttnnc nnttttnntc nnnnnncccc cccgattnnn nttngggggg 60
 aaannnccnn nccanaagnn atnttag nag gaggaacaa canttaatat atctcactag 120
 cattcatttc cctccccac cctcatccca ctccactgct aagagagaga aatttcagca 180
 ctgctatcct gttttattat acattttccc ttttgagtta aggattttta gattttgaaa 240
 gtaacagaat agaaaccaa attttnntca acttccaatt tggctnaaaa agagagaaat 300
 aattattatt tcctatgtta cccaaaactt attctgttaa taacagttat nattatatat 360
 tcaaattaat aaatgaagat cgccaaaatc accttaatat aattgttagc agctaaagaa 420
 caaaaatttt tttcatttgc ttctataagt agacatcaca tgattacttc tattgaccag 480
 taagaaacta gtaaaatcag gcagtcaccc accattcttt tctaacattc ttttncttat 540
 tctatncaac ctttnngta tattcttaan aagccaaatc aanaaatnan accttcacgc 600
 ctaaaataaa attgtgntat cttatacatn atgaacagga acctgtngta tataacacaa 660
 nntatnncaa agctttatcn cantttctan aacccttaa caaaaangca nntcanatt 720
 nnaanattan aaaactnaat tctggaccca antgtanatt aactctnnan acatttttnn 780
 gtgnattaa naaaaactgg nnnctatcc ttaactttta naggtcanc caaanttnn 840
 nnanaacaan ncctnnnnan aancaantta tatnaacca nctan 885

<210> 200
 <211> 941
 <212> DNA
 <213> Cercopithecus aethiops

<220>

<221> misc_feature
 <222> (1)..(941)
 <223> n is a, g, c or t

<400> 200
 ttttnggggg anntanang nnnnnnnnnn nncnngnnn nnattggggg gaaannnccn 60
 nncttngnat ttagaggagg aaaacacntt taatggatct tattagcttc atttccctcc 120
 cccaccctca tcccaactca cngntaagag agagaaattt cagcactgct atcctgtttt 180
 atnatacatt ttcccttttg agtnaaggat nntaagattn ngaaagtaac agaanagaaa 240
 ccaanntttt ttttcaactg gnaattnggc tcaaaaagag agaaataatt atnatntcct 300
 atgttaccca aaactnatcc tgnnaataac agttatnttt atatattcaa attaataaat 360
 gaagatcgcc aaaatcacct taatataatn gncagcanan aaagaacaaa aatnctttca 420
 nncngcttna ataangnnga catcnccatg atcacctnct attgaccagn aagnaaacta 480
 gnnnnaatna ggcnanncac ncacnanann nannchnanc accannnnna cnaannncna 540
 ttcaacannt nannggnana nttnncnaat aagccnaaat aanananann gccccnanan 600
 gcctaannan nancgaggna atgcnnnncc caannttnaa caggnatncc nggcagngnt 660
 tntaacang annatttcan angnnnnanc cggnaatact nnnanaannc cnannaaann 720
 naaaggnnan tcnnaatnca angttnaana aaangnaatn cccccnnnnn antantaaat 780
 aangncnna ntannannnn nctancatcn cncncnatgc acnnnnnaaa nttnnnnnntn 840
 acnnncnnnc nnnngnnaan nttnaangga nnnnnnnntn ancacannnn cncannaang 900
 nnnnnnaana nccacaannc aacacatnan caancacnaa t 941

<210> 201
 <211> 886
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(886)
 <223> n is a, g, c or t

<400> 201
 ttttcccnng gntnnnnnt nnnnnnnnnn nntccccccc catnnnnntt gggggggaaa 60
 ancacagnaa cacagngttt nngnnctcag naaagctttt ttccagtttt gaacgtaaga 120
 tatttccttt ttaccatat ccctctatgg gcttccaaat atccctttgc caattccaca 180
 agaacagcct tagcgaaagg cttcttgaag ggaaagatgt aactctgtga gatgaattca 240
 cagaacacaa agcagttttt ttagaaagct tctttctagt tttgatctga gaatatttcc 300
 cttttcacca tagacctcta tgggcttcca aatatcacgt tggaaatttc acaagaacag 360


```

tgttagcgaa aagcttcttg agggaaaagc tataactctg tgagatgaat tctacgatac 420
atgtaacatt ctacgaacaa ccatgggtgag tagaaccatc tggattttcc atcactttca 480
tttaaaagac tctgttgata ttctaggtac tgattccata tatcantatc aacaaatttc 540
tcaaccaagg ggataattgg ttnatctgnt tgcaaantca ttccgtnatt tnanaaaagg 600
agagaaaata gctttctntt cancttncca cgccttnect gccaaaaatn ccaanaaaaa 660
ancaatngng nngngnggcc ncgntntntg nngnttngng tgtncctnng nctntccnan 720
tcccnntnag ggnnaacnaa tttttcnnga ctttaanaaa naaaanaaaa aanngnncna 780
accacnttnn aaactnnttt aaanntncca tnnnaaacct taaancnnaa aaccaaaaaa 840
ancccccacn ancnnnnnnn nanananann nnncccntan ttnttt 886

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<210> 202
<211> 925
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(925)
<223> n is a, g, c or t

```

```

<400> 202
ttttntggng gannnctnnt nnnnnnttn nccccncct annncttngg ggggaannnn 60
cnncccaactt agnatTTTTT ncncaaaaaa aaaaaaatag ccaaagtcct caaaacggcc 120
tgcattggcac tacattctct ggccctttat cagcactctg acagctctct cctttgctta 180
ttttgctcct cattctagcc tctggatctt tgcccttgct gttccttacg ctcttctccc 240
agggatctga aanntTTTTT tccctcacct ccttcagagg ttgctaataa tgtcttctac 300
ccagngaagc cttccccaac caccacatta aaaacacaca accntttccc gttctctatc 360
ttccttcact tngcatatgt ccattgngta acatcactta catacctna attntnagct 420
natnaatnca tactncaaaa caccttatnt nttacatgt nccaagcatt gncccntant 480
tgcttnacan tacancncna anatnaaatt cnacanaaaa tcccatnctt tttgaatntt 540
tttgaacctt acattngnaa gttnncannca aaatccnang ttaaancata aaaatncccn 600
tgnanacnna acccctnaaa naaanaaaat angaaganag gggcctgaat tnnngngcnc 660
tttccctccc caaantncan acntcctnng angnaaccnn atctnnnnng nntnnnnntc 720
actnccgtnt nttcccgaca anaancnccc cnnnnccctn ntnggccctt ccatnccnat 780
tnttnaaana ttaaaanccc ccncnctcn ctaantnct ngggncnat ttcaaacttt 840
tnaacnaann anncccnccc nnnaaaaacn ncnccnccc tnnngnnccc anncnaaatc 900

```

atccnnentc nntcctent ctcen

925

<210> 203
<211> 895
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(895)
<223> n is a, g, c or t

<400> 203
ttttttcngg gattnctnnt ntntnnntnn ntcccccat tnnncttggg gggnaannnc 60
nacgattcan gtnttatnnc tacgaacaac cattgtgagt agaaccatct ggatttttnc 120
tcactttcat ttaaaagact ctgttgatat tctaggtact gattccatat atcagtatca 180
acaaatttct caaccaaggg gataattggg ttatctgttt gcaattcatt ccgtaattta 240
gaaaggagan anntttcttt cttttcagct tccacgcctt cctgcaaaaa tacaagaaaa 300
atcaattgtg tgtgtgtctg tgtctgtgtt tgtgtgtgcn tgtctatgca attcctctag 360
ggtaacatat ttttacagac ttaagaagaa aagaaaaatg ttcaaactac attatacttc 420
tttaaacatt acatttagaa ctcttaaact gaaaatcaaa aaacacacac agatctcata 480
tgaacataat catgccttat ctatctaagt tctggccttt ctgtgtcttc ggtgatcatt 540
actacagagg gaaaggaacc cctgacagat tttccatgtn ttttcatgct tccatacaca 600
ttnttctttc accattgaca ccnactanaa aaagaaaccn gtggnccttt ctgagggtttt 660
ttttttngnn anntnaattn ntntttttta aacttggntt ttccncctna attnttanen 720
taggntnana aaangaaana ntgcctnnna tnaaaanggn ncctncaatn ntatnttacn 780
cnnanaagnc cnattgggna gggngcanaa antntnanng ggnnacnaaa ataaaannaa 840
aaataactct nnnanccttt ggttttacat taacnaaana nntctncccc caana 895

<210> 204
<211> 887
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(887)
<223> n is a, g, c or t

<400> 204
ttttcnngng gntnnnnnnn nnnnnnnnnn nnaccncng tnnnnntngg ggggaannnc 60
cnncccacga gnattttttn ctcaaaaaa aaaaaaagc caaagtcctc aaaatggcct 120

```

gcatggcact acattctctg gccctttatc agcactctga cagctctctc ctttgcttat 180
tttgetcctc attctagcct ctggatcttt gcccttgctg ttccttacgc tcttctccca 240
gggatctgaa aggnnttacac cctcacctcc ttcagagggt tgctaaaatg tcttctaccc 300
agngaagcct tccccaacca ccacattaaa aacacacaa cagcaccctg tctctatctt 360
ccttcacttt gcattngncc attgngtaac atcacttaca taccttnaat tnttagttna 420
ttaattcata ctgcaaaaaca acttantttt taccatgtgc caggcattgn ccctagttgc 480
tgacaatata gnngaaaata aaatagacaa aaatcccatc tttngaactt ttngaacctt 540
acattgggag tgacaggcaa aaacgaggna aatcagnaaa atacgtgaga cagaacgcta 600
aaagaaaaaa aagaggaaag ggctganntt ngngncttcc ctccanaatg caagctccctn 660
gagaatacag annngngngn nnnnnacnac ngnatctccn gacaatagcn cccannacan 720
annangcatt ncnacccaan tnnaaaaang annaacnang gcannnnccn aannncnggc 780
cacatnncaa ccntaaaaca anaanacca anaiaaaaaac ngnnncagcn aggnccacnaa 840
nnaagaaana nccgnnncna attnnnggng caggccntna aanncca 887

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<210> 205
<211> 843
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(843)
<223> n is a, g, c or t

```

```

<400> 205
acccccccca tnnnnttggg ggggaaaaaac canccagtaa nagttttggn gcaaggngng 60
tggtctcttaa tcatcagggg caaggtagat ttaattctcc attatccatt aattatttaa 120
tgaacaccaa cagtgggatt gcaagtggga ggtttagaac aacagggctc tgtggcaaag 180
actactagac catggtatca ctagggacag ctagtggggg aggcnttnng ggtattactt 240
ggcttataaaa accaaaatag accaacagca gattattaaa atgctggtgt tggctgccaa 300
gtggaacgta ataatcacac atctggtttt ccaaattgaa cagttcttag atccagaatc 360
ctgtgattga tagagatgct agatcctttt gcagaaaatc ttataatgcc ccaatgaatt 420
tatagtagta atttcccaa tccttctcca aaagaatcta tgctgcagaa aataaaatac 480
ctgnacagng ngcattacat tgngcactac agagatgaaa gtagccaaat atttcaagtg 540
ctgnngaate canagttnga gatgacacca ataccagaga aaacaaaaac catcatgatg 600
ccctggntag ggnggggtgt ngaaanccan gnggaaaaan aaagncttgg gcccnacant 660

```

ncanatataa atgnncaaag agncnggcna cccnccccgn naanaagggn agggncnctg 720
 nnggccnaaa nnaggnnngg aagcaccnaa anaannngaa anaaccccc accaaaaccc 780
 ccgngcncn gaccnggana ggggggnncc cntncncann ccaaaanggc ccannggnnn 840
 ncc 843

<210> 206
 <211> 927
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(927)
 <223> n is a, g, c or t

<400> 206
 ncncccccng gnaancccn ggngtaannn nnncccccc ccaatanntt tgggggggna 60
 annncccnnn canagtgnaa tantaagnaa ncaaaggcag cngagtcagn accaaaacta 120
 acagnanaat aacagnaana nnnccaccac catatgaaag caggggaaaa atatatggaa 180
 acagatatgg ccaaaaaaaaa ggatgcagac aacgaagnaa gcggacagaa gcccgagaag 240
 aaaaacgggg ncgggggaga aaggagacta tnaataggaa aaangaaaa gcanacacag 300
 ggcgactgag caatacagaa agcaaagang cnggataaaa agcagggccc tagagtggga 360
 gtggcncaac acgaagaggg gcatccagag ggggaacaca gcgcngggng acaggagggg 420
 gnccaaaang gaggaaaagc gcccnncnca gagaaccanc aggcgcggcc cccccgggg 480
 cggcagccgg ggagggggcc cacagangng ggngagaagc caagaaacnc agcgganggn 540
 agggaaancac ngggccangc gcaggggaca cccccagaa gccnaggaca gaggaggggg 600
 caaggngcac actaagganc cnnnaangaa cggccagagg ngcaggancc cacannagaa 660
 gnaccngaa ggggcaggng caggcaagnc cccgcngcan gaggacaaaa cngggcngcn 720
 gaaaanggnc gccccnncac cccncngnc cnaaaccac ngcaaccacc agncnnnnac 780
 annaanccn aaaacacaaa ngnccccacn nnanccancc cgaanaaagg cnaanaacca 840
 ggngnaancc naccaccng gnccgnanga cccnggaaac cnnnanncca nncnnaannn 900
 nnaccnanaa ccaaaagnnc gannacc 927

<210> 207
 <211> 940
 <212> DNA
 <213> Cercopithecus aethiops

<220>

<221> misc_feature
<222> (1)..(940)
<223> n is a, g, c or t

```
<400> 207
ccccggnatc ntttctgtnt nntnctnnnc cccccctta ttttgggggg ggaannnecn      60
nnnctntnnnn nnnttttncca ccnaaaacta tttnttntnc tnncccgect atcctccaaa      120
ctagcaatan ttcggttctt ccctcttgct ctggggcgga ttcttgaaag tcgtttattc      180
tcttaattaa tacgccgctc cagccccgcc cgttcagctc attctcttaa tcgcattacc      240
ctggctgcng nnnctttttt ttttttccac ctgctgccac ccaccagac accgcctnecg      300
gctctttccg gaccatctca gtttctctc cttccccngn cccaattttc tttaggctat      360
ttctgggtcc cgtaggtttn tcatgtctc gttagcccca ccccatcacc accancggct      420
ctttttcggc tctctcccg cncctctgt ctctgtctca ggctcttttc cagctattnn      480
cgactcccct cntactcacc ctttgccctc ngaaactntc ccaccngccc ttcaggcaaa      540
tcngtctcna cccctantc ccgcacgtga acacagnctt nccccctccg ccttcttaga      600
nccccctct caccnnnncc ctttccnncc catcctcaaa actanangg ngggtacngg      660
ccnancncc cnttttggtg nnaannnec gaatcgccgn caaggncccg gtnctntccc      720
ngaaaancct atngncnggn cacaaacang ggaaacannn ttencaccn ttntccactg      780
anccncttcc ccntcacc ttnaaanaca ttntttnnnt ttatctaaaa ccttccancc      840
ccncctcct tcggncacct cnttntant ncccatatan cccntagnt natnctnca      900
atncngcac cnnntntnta tctaataaaa cccaacccc      940
```

<210> 208
<211> 881
<212> DNA
<213> Cercopithecus aethiops

<220>
<221> misc_feature
<222> (1)..(881)
<223> n is a, g, c or t

```
<400> 208
tttttccnng gnnattcnnt gtnnaatntn ntntcccccc catnttttgg gggggaanac      60
ccgnanttga aatttnggga caaacaaca tancctcttc tctttccttg aagggttaat      120
gctccaacca gcctcagatt ggctcgcttg aatcttaaaa ttacttttct ggtcacgcgc      180
gccgaaggctc taagcatttg tgaaatgtct tttttcccc ccccccaccc ttgatgctgt      240
tctctttggg nttttttaat tacacagggg ttgagaaacc aaattaaaat taggcgtgtc      300
tggtcaacag tgatcacgtt gcatgctttt agctttgntt gttgaagttg cttctctcc      360
```

```

ctgagtggct ttcctccttt tttttttttt ttttttattt taaaaaggaa atatcataag      420
ctctttcaga aatactcaca ggaagtgagt gtccgtatgc tggttactca ccancaactg      480
agtgttggca ggtggagaat gctaccgcag ccgcccagac agatctgcag actggcccca      540
ttgcagagga ttagacacag ggtgcgtgga tcatagggtt tttgtacaga angcagtttt      600
aagaggaaat tggtcactgc atgtcatctc gaggggtggt gattcangga gccaggcctn      660
ggggttcana aagnacgttg ctngccatct tnggagggtt cctgctcact tntcaaangg      720
ncaggctngc cttttaaaaa tcaatgttcc ttccaccccc aaaagggnntt ctttttgcag      780
tgaatcanct nccaaaataa atagcccccn tttttttgga aaagaacgtt tgnaaatccc      840
ncnttttaat ggnangtttt naattngggg gttnantcaa a                          881

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```

<210> 209
<211> 896
<212> DNA
<213> Cercopithecus aethiops

```

```

<220>
<221> misc_feature
<222> (1)..(896)
<223> n is a, g, c or t

```

```

<400> 209
tttttcnng atnttnattt ntanacttat cccnccatt attttanggg ggnaancct      60
nncanaatat tgtnttacia atatcatttt nggtgatgta tgtcaaaacc aaaactgcct      120
ttatgtcaat atgctgtaaa aatctatcag aatatacttt aattcttaac tttcattggt      180
gtctgtgggt tgtcttgat aattattatc acatctacag tattttctgt aggtaaatat      240
gaaatgtttt ttnatgtac cagggggaaa atgcccttta ataagccttt ccctagacaa      300
agcaccattt aggcgttttag aagcaagaac tagtganntc agaaattgct gtcatacata      360
ctcacctgtg aatgggtcgta caaaggatcc caagcgcagg acttgtcctg gaagcagagg      420
atcggtattc accaggaaaa gaggcaagta gaaatgccaa atgccagcgc tccctttccc      480
cagctcatct tatttgtagg cactcagatt tttggaatcc tccaggacta acaaatanaa      540
accacactag gttgtttttc ctaattncct gtgaaatgag tcangtangt caaacanctt      600
atccactcca gagagagaac caattccttt gagctacact ccctgttttc cagtnaccct      660
aatnccctct ntgggtgtcc ttgaanaaag ggnntgccna ccantgcatt ggagagccca      720
ccgggtttnt gaatgaagan nattgtnaaa antnnccaaa aagttaannn gccttcaagg      780
gganagttn cttttntgaa nattnaagna ggaaaaatcc cannttaaaa tacctgggnt      840
cngtttttt nntaaaaaan cnnnnnactt ttttttggnc naangntttt tttttt      896

```

<210> 210
 <211> 869
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(869)
 <223> n is a, g, c or t

<400> 210
 nnccttctaa tttnttagtt tnnagctca cttataaanc aggctacagt gttattctta 60
 agtattcatt gttgtataac aactacccc caaaatttag gagcttaaaa taacagcaaa 120
 cacttattat ctctcatggt tctgtgtgtt gactagacat ttcggctcct gtgcagatgg 180
 ctggagcact gagctntttt ttnggtctac agtgctctcg cttacatagt aggcactagt 240
 gttggctgct ggtagcaagc tcagttgggt gtgttgacca gannnnttgg ttctgctcta 300
 gagcattgta atantgagca tttcaacagt attaacccaa catgcaaaca ctcactatag 420
 taagcaaaat aaaataaaat aaagccccc cccagatatac tatgctctaa aacttccaaa 480
 cgtatgaata tgtnacctta aatagcaaaa ggcactntgc agtgtgattn angcaagatg 540
 gggcagagtg tctgggaata tccangtgga acccaataat gcaaataaaa aaaatcnttt 600
 tataanangg naggtaggaa ntaanacatac tgntcancat taccgctgcc nggtttttng 660
 aaaaaaanaaa ttnggaagaa aggggccnca agccaaggga atnccaggca tttcnctaan 720
 tnggccaaaa caanannatn aaaantcntc ccccnnnnnc cnnchnaaaa aaantgnaac 780
 cctgggcgnc cncnttgatt tttnnnceca angancctnc ctnaccaana nantnaaaaa 840
 aaaatctntt gntcgnnttt nancnaaan 869

<210> 211
 <211> 874
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(874)
 <223> n is a, g, c or t

<400> 211
 tttttngggg atttccttn tanantnnan cccccccctt anttgggggg gaaatacnnc 60
 ccattaacag ttttactcgc agcctctgct tngtctacat ctgctgcaa cttttaacta 120
 atggcgagat actttcgcta tttccgatgc cattaggaaa caaatagaaa aatagtttgg 180

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caacaacatc ttctcgaata ttatcacttg acaaatttta acgttttagg tggaacgga      240
attttaannt tttgttttaa gaagcttaaa aaaaacaggc atgcttaatt agcataatgc      300
tgaatggcag ccaatcacia actgaatttt taaagcnnga agtgtttgct cctggcgagg      360
cgcgcccgcc tgtaatccgg gaatcccagc gttttgcgag cccacgcca ggccgaggag      420
ggaggatcct ttgttccacg agttcgacac cagcctaggc aatatagcag aattcagttc      480
aatgactcta ggcttttagcc atgcagtatt aacaaatggg atattaacaa tattaacaaa      540
tgggataaaa accaagaact tgacaaatgt gttaatttcc tatttctgtt ttaatacatt      600
acacaaaact aactgcctga aaacaaaaca aaagntntta tttttatagt tctctaaatc      660
agaanttttc attggggcct aaaatcaagg tnntctgcaa ggctgcattc tttntgnagg      720
ctgtagggga naaatttcat tgtccttgnt ngncctttaa naaagcctgt tttnccttgg      780
cttggnngcc cttttttcaa ttcattttta aaaccccnan nnnatnngnn ccnntttctn      840
cctccncctc cncnttaaaa nattttttnt gngn                                874

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<210> 212
<211> 866
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(866)
<223> n is a, g, c or t

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<400> 212
annnnnnnnn nnnnnnnncc ccngatann ttggggggga aannncnca tttgagtgt      60
ncagggcaaa accaacagta aaccagacta ctaaagattt acttgtggaa tttttttgca      120
aagtgtcaaa gggcttatag agaaaatgaa acagttcttt aaagatgttc ttgagcgagg      180
tttttttttt tttaacttac taaaagactt tatgttttag aacagttttt gtttacgttn      240
agcacgtagg acgtccccac tacacacaca gnttctctta ttaatagata ttagtatggt      300
acattngntg caactaatga accagtaatg ataaattatt aactaagatc catagntnat      360
tcctgcttcc tcacattnta tctaaagncc tttntctgnt ccaggatccc agctaggaga      420
tngaagacc ccacctgnag gttnggcaag ctagctgagg atcgnnncgc atgatngaac      480
aagatggatn gcacgctggn tctccggccg ctngggngga gaggctatnc ggctatgact      540
gggcaaca gacaanccgc tgctctgatg ccgccngnn ccggctgnca ggcagggggc      600
gcccggnncn tttnggnaan accgaccngn ccgngcccn gaangaacng caggacnagg      660
canngcggnn atcnggntg gccacgacgg gcgnnccnng cgcannnggg cncnacgnng      720

```


nnacngaaac gggaaggna ccggcngna nngggncaaa angccggggc aggaaccncn 780
 gnaannaaa ccnggnncn gccnnnaang aaccanaang ggngnnnnaa agnggggggn 840
 ngnanancnc ngnaaccggn nncccc 866

<210> 213
 <211> 998
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(998)
 <223> n is a, g, c or t

<400> 213
 ttcgggggtc tanaangtnt nntnntncan ncccccccn tttttggggg gnaannncnn 60
 nccagtttnn natttggnnn nggagcataa attnagtcgn ctctctcacc taaaactcat 120
 ggtctggtgg aggetccgcc tcctttgtcc cctttcatgt ttctgtctca gcatgcctgg 180
 ctccctaagg ntcttcatct ttgagcaggt tatctcaagn ctcaattgaa ccgccnctc 240
 ctgncaggcn tttttnnct gggaggtgag cagnngggtc cgggaatgtg ggagctaagg 300
 gcatagatgt gaggaccncc ctatgaanag gaaaaggann cncctggaat gcanacctgg 360
 gactgtctgt atacctgcct ggtcactaaa tttctctgag aggcataaac agnnaaaanc 420
 ctganagggt tatngccaag agcatngatg gggctgtgctt tctgggangc aggggaataaa 480
 ggnngtgata ccanaggga ttatntctca gccaggncnc tccttccent gtangannag 540
 tcccttgagc cncnnncna ctnancnntn ttttnaatna aacnccccn tnnncgggac 600
 aacgggaann tccctatann cctccannc tnggttgnnn aanncccggn gctaaaagca 660
 atcnnncnntn ncntnggtc tncacaaaan ggctnagaat naccangtg nagccccntn 720
 ntccctant cccccctgna nnnctatnat tntttccaan taaccaatna nccccccan 780
 aaccannat acancacaac atngaccccc ntcaaaaacca acanccnnt agacntntn 840
 ccnactntnt aggnatng cnaaccgnaa gcntttgttn tngaanttan ccaagggcct 900
 cncnaacaan ttcaaaaana agtggtgntt ccccccncct naaccccgng ccccccacnt 960
 caacanant aaaaannaan acccacnnc nntngtng 998

<210> 214
 <211> 956
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(956)
 <223> n is a, g, c or t

<400> 214
 ttttttcggn ggattnctnn tttntttnt tnnnnccccc ngttntttgg gggggaannc 60
 cancgttctn nctatttctt tcttgacgag ttntttctgag cgggactctg ggggttcnaaa 120
 tgagctagcc cttaagtaac gccattttgc aaggcatgga aaaatacata actgagaata 180
 gaaaagttca gatcgaggtc aggaacagat ggaacagggt cgaccggtcg accggtcgac 240
 cctagagaac nnttttntgt ttccagggtg cccaaggac ctgaaatgac cctgtgcctt 300
 atttgaacta accaatcagt tcgcttctcg cttctgttct ntcgcttctg ctccccgagc 360
 tcaataaaaag agcccacaac ccctcactcg gggcgccagt cctccgattg actgagtcgc 420
 ccgggtaccc gtgtatcaa taaaccctct tgcagttgca tccgacttgt ggtctcgctg 480
 ttccttggga gggctctctc tgagtgattg actaccgctc agcggggggtc tttcaatctg 540
 attgcctctt gcttgacggc aaggagtccc gaccactgaa cactgatgac ctcacttggt 600
 gtgattgtct cttgcttgac ggcgaggagc ccgcagcact gaacatggat agtcgccgcc 660
 acagcacggt gatcanaagg ctttcgttcg acttatgant ccgacgntcc ggggagttca 720
 aagccccctt tcnactcctt gggncctttt ngtnnttntc ttgnccacct ttcttgactt 840
 cttnaanttt gcttctggan tgntaatnct natcnnaaan ccttgtttgn aaaancntgg 900
 cccnggncc cngnttcntt nccccccann tantgnttta ngncctttt tggaaa 956

<210> 215
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(915)
 <223> n is a, g, c or t

<400> 215
 ccncaacctt ngagacccta aagacattgg agcagcccca tacacctctt cccagggcac 60
 acaaaggccc ctgacatgcc catggcagtc caaggcctcc aattggagcc atctttggta 120
 aatctggggc ccatcagccc ccaactgcctt tcctgggtacc ctgagcatgc tggcaagggg 180
 actnnttttt gcatcccatc ttgtntcata taccacagn acctgatgtg gacatgactc 240
 accctggggg cctgtgagtc aataaggggt tntgantaag gggcagagca tttcaactta 300
 gtcccataac ccatgagctc attaagcaaa tattacccat gcctagattt ggggccagtc 360

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actaccact ggaggctgtg ggctccaagg tatggcagca ggggaggcca gccaggcntc 420
tgcccagctc acccttccct gtgaggatgg acnccagcca ggcctcccac ctccaccct 480
agactggggg acccggggtt ggggggcaag aaaggggacc tgaaagtggg tgtctnggag 540
ntaagcccat ttcttnata ctcnccaat aggganccaa gaaggngggg tnagagttac 600
cccaanaact caccccaacc cantntnaac gctgtggggg ctcaangggg acangcnaaa 660
acnaaaantn anacngggcc aaaaaagaac aggtncggnc ctncnccnan ggaccttttn 720
ttttctacca ccttaccan nanaatnctt gaccaggggc ntttcccaa acncngnaaa 780
anccttcaag cntngnact nttnanaccc ngggcnnnnn aaggnttagg gcctcttnnn 840
ancnctntgn cnggttncca tngnntaaaa accccaangn aactcctcca aanaacaagn 900
ancnntctn ggtnn 915

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<210> 216
<211> 949
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(949)
<223> n is a, g, c or t

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<400> 216
tttncngngg nanntttntg nggaannctt nncnnccccg gnttttttgg ggggnaannc 60
ncatcgttct tactattgcc ttcttgacga gttnttctga gcgggactct ggggttcgaa 120
atgagctagc ccttaagtaa cgccattttg caaggcatgg aaaaatacat aactgagaat 180
agaaaagttc agatcgaggt caggaacaga tggnacaggg tcgaccgggc gaccggtcga 240
ccctagagaa ctttntatg tttccagggt gcccgaagga cctgaaatga ccctgtgcct 300
tatttgaact aaccaatcn ttcgcttctc gcttctgttc ncgcgcttct gctccccgag 360
ctcaataaaa gagcccacaa cccctcactc ggggcgccag tcctccgatt gactgagtcg 420
cccgggtacc cgtgtatcca ataaaccctc ttgcagttgc atccgacttg tgggtctcgt 480
gttccttggg aggggtctct ctgagtgatt gactaccga gtggggaacg ggggcagggc 540
gggtgggagg agggcgagg aggctgagac agcccagggt agagagggcc aagcttgaaa 600
ggttttccca ggcttgggga gagggcctgg tcaggatgtg tatgggtaag ggggtgagaga 660
cagaggtncn tggggcangc ccggacctgt ttttttngnc cagtntcagt tctgnttcnc 720
ttgnccctga gacccacgt tcanagaggg ttggnnccgt tnggggnga cnnttanccc 780
catctgatcc catggtggnn ntganganan gggctaannc nnanccntn cagtccttn 840

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ttgccncac ccgggccccn atcnngnga agaggagnc cgctcgnccc nccccagga 900
 agggnnncngg nanaccggnn gnccccngng caaccngnaa ccaacnnan 949

<210> 217
 <211> 999
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(999)
 <223> n is a, g, c or t

<400> 217
 ttttcccngg gannnnnntg nnnnttnnnn nttnccccc cccatnnnnc attggggggg 60
 aaatncccc catntaggcc tttngcnaa agaccagtn ntctgcccct gggtnccnc 120
 agganctctg caatggggaa gtgagccctc ctgaggcctg gctggcagga ggctcttcaa 180
 ggtcatgtgg acttccccca acacctcgag tttctgcaca gcagccacgg agacgggcct 240
 gggggctggc gggaaathtt tnnnaaggca atgtttncct gagtgggctg aaacctgaga 300
 tgaggaaatg agaagacgtc aggtgggctg aggacacggg ctttaggaca gccagcacc 360
 agccctgtag ctgaggcctc cggagggagc cagagggaaa gggagtcccc tccccgccc 420
 ctgagtctct gccagtgcc agcactccca aaggatccac cccaacctga gagaccctaa 480
 agacattgga gcagccccag acacctcctc ccagggccac aaaggcccct gacatgccc 540
 tggcagtcca aggcctncaa ttggagccat cttttggtaa atctggggcc catcagcccc 600
 cactgcnct tcttggtacc ctgagcatgc tggcaagggg actggaaact gcatcccatc 660
 ttgtctcana taccacagn acctgatgtg ggacatgact caccctgggg tctgtgagt 720
 caataagggt gtttgantaa ngggcagaac nnttnaactt antnccanaa acccatgagc 780
 tcattaannc aaanttacc tgcctanaat nggggccant nactaccnac tggaagggtg 840
 tggcttcang natggntnag ggaagnccnc nggctttccc aannnnncct tnccttnag 900
 gnggaccac cagcctccan cnccccnaa actgggaacc nngngnggca anaagggcng 960
 aaanggtttt gantaaccna tttntanncc cnnngnaaa 999

<210> 218
 <211> 962
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(962)

<223> n is a, g, c or t

<400> 218
nnnnccccggn actttcnntt anngnanncc cccccctnat ttgggggggna annacannn 60
ttannnathtt nnnnnngaca aagctttttt ccagggnntg aacngcngga tatttcctnn 120
ancaccatag ccgncatagg gcttccaaat atccctttgc catttcaca agaactgcct 180
tatcgaaagg cttcttgaag ggaaagatgt aactctgnga gatgaatnct ccagaggaat 240
cctggatnnt nnccataggn angnctnaac ctgttcaactc cngancttng ggaggggtgca 300
cctggaagca agctctgggg tccctggggag agaaagcaca gccctgccc tggagacact 360
caaagcctgg aagggaaggg cagngggctg gacagagacc acaggtgtga cggtcctagg 420
tgaggaggtg gagctcagag ggggcaccta acccatttg gcagagtgtc canggaaggg 480
tttgagtagc gccncagagg atgcngnaga ananccccag gaggagagcg acngnatgna 540
gaggggaanag catttaccgn ngcctggggag tngagagagg ctggcngggag aaaaaagagc 600
tccangaagc caaaaancct cannagnngc gtccacagcn cgatnctna ncaccnacia 660
cananccccg ccncatanaa agngcnccaa nccatcnntc acngaangaa nnaacaaaat 720
gaaanaaggg agatcaccna agggaganac gcngacaccc ccccncccn accnganaac 780
cacnncanaa cntnnacccc gcanaccnaa ganccatgaa ganttnagca cggngangggc 840
cannnaaaag ncataaanan aacngnagga aaagggaccg gacaccnna tnactacccc 900
cacnnntacc caaaaccaca ncnncngccn gggcgnaacn cccnacnacc aaccancccc 960

<210> 219

<211> 891

<212> DNA

<213> Cercopithecus aethiops

<220>

<221> misc_feature

<222> (1)..(891)

<223> n is a, g, c or t

<400> 219
tttttngggg ntntnnnggg gnnngnnnt cccgcctnnc cttngggggg annctnnnc 60
agttgggaat tnatttaaag aagggactta agggagatta ttaaagagcc agnaacgcaa 120
aggagagctg cggcaatcga caactaccga agacgcgaag cacattcacg aagcgttccc 180
ttcaatccgc aactacact cccacgaccc gcccttccg cccacagagc ccgccacttc 240
cgctcanan ntnagcccc ctctgtgtc ctaagggcct tcccgcggt gatcagacgc 300
cccgccctt agccgcaaca gaagccgtaa agctttctcc cgtcgcatg cagcgctcaa 360

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ggcgccctgcg cagaccctga aaagcggcca ggggtggcccc gagcttccct tttccggttg 420
cagcgccgcg cggttaggtt ctctcgttct cgctcgcage catgccgtcc aagggcccg 480
tgcagtcggt gcaggtcttc ggacgcaagg tgagctagac gccagatggg aaggggaggg 540
gaaggagaag gtcaggggtct gggagaggac ggtgggcagg aatacagggg gcaacatggg 600
agctggatcc cgagctcacg gggccacact ctcttgatc ccacagaaga cagccacagc 660
tgtggcgcac tgcaaacgcg gcaatgggtct catcaagggtg aacgggcggc ccctggagat 720
gattgagccn cgcacgctnc aatacaagggt gnttggcatt gggncattcg ncgttgantt 780
ggattggagg acctntngga nataatagta gctnnttgaa agcttgaggg ggcnggntnt 840
cancanccgg gnttttnana anttngnttn gtntnnnnaa aaggggggttt t 891

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<210> 220
<211> 902
<212> DNA
<213> Cercopithecus aethiops

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<220>
<221> misc_feature
<222> (1)..(902)
<223> n is a, g, c or t

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<400> 220
tttttnnngg nntataattt ganntatnta tccncccat aaaccttggg ggggaanaca 60
aggncnaag ttttttagga ttgtgtact gtactccagg gtgagtgaca gcaagtatac 120
tgctcttaaa aaaagaacct tatatattaa aaaaaaattt tttttaact gaccctgcaa 180
tgcacatatg ctccctttta aaagtagtaa acttcagaag gggcagaaat cagactctgg 240
tttctttcca ttttnagcca aagaaactga nagtnccaaa cagggaacag aagaaccctt 300
ttcacaagca agcatttaaa cagacccaaa ttcggccgcg cggctcacca ggctggtcag 360
gagttctaga ccagcctggc cgacatggtg aaaccacgtc tctcctgaaa atacaaacat 420
tagccggccg tgggtggtgtg cgcctatagt cccagccacc cgggaggctg aggcaagaga 480
attgcttgaa cccggagggg ggaggttgca gcgatccgag atcgtgccac tgcactctcc 540
agcctgggcg acagagcgag actccctctc aaacaaataa atngaaaaaa aaataaacag 600
acccaaattc aagctatttc aatacttact gagcacttac aatgtctaaa acgctgcttt 660
tagacgcctt ggggttttnt taaggatnaa aacacttgnt ncttngtgaa aatnaaanct 720
atgaaaactg ggtgttcctt caancctttn gggntcccc cggnttccc cnnttnaat 780
gaaccttntc aaacattncc aattttnaaa agncancccc ntaattntt taanaccccc 840
ccaatttnaa nnttttaaan ttttntnaa acnntaaanc cccgggtttt ttttnnnaa 900

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aa

902

<210> 221
 <211> 907
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(907)
 <223> n is a, g, c or t

<400> 221
 ccncannnggt agntccgctc gccttccgcc ttgtaagcng gaaagggtgct tcgcgaggtc 60
 tcgccttcggt ggtccgácat ggtgaccgga tttagagacg cttaaagcaga gacaatcgaa 120
 gaaaagctgg agaacctcta tctgggtctg gtttgtggaa gctccgtctc ttagcaaccg 180
 cgagacgann ttttcagcga tttccgggtc cgtccctgtc tggcaagggc ccggattctg 240
 ggtgcaacct gccggcgtgc gcgtgcgcca gttctntnnn gcaccggggc ggagagtgat 300
 gagtgcgtgg ctggcggctg agctccttag tgtttctgtg tgcacgctcc ttcggttctc 360
 tctggagtta ctgcgtgaaa aggctgcctt gtaagacagc caagaaaaca ggaagagggt 420
 tggaggcaaa gttccnaata gggattgaaa gacccacact gtnggttttg gcaagctagc 480
 tgaggatcgt tcgcatgatt gaacaagatg gattgcacgc tggtttcttc ggccgcttgg 540
 gtggagaggc tatttcggct atgactgggc acacagacat tcggctnctt ttantgccnc 600
 cngngtncng gctgtnagcg naggggacgn cccgggttct ttnttgnaaa gaccnaccg 660
 ttccggtgcc cttaatnaan ctgnanggac gagnnnanc cngntttatt ttgntgggcn 720
 ncaacggncn ttccttnnac anctngntcn ncancnttgt nanttaaccn gnaanggnnc 780
 tngntngttt tggncnaaat annccgggca aggaactccn nnnnannccc ccgtgtnnnt 840
 ncccacaaan tatcnattng ggtancnaan cngggnnnnn tnaccnnnac ccgnnnnccg 900
 ccnanct 907

<210> 222
 <211> 955
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(955)
 <223> n is a, g, c or t

<400> 222
 tttttccggg ggaannnnnn nnggnnnnaa nnnntcccc ncccatnnn ccttnggggg 60

gnaanacccc nnncaattcc ctatttggn aactttgcctc caaccctctt cctgttttct 120
 tggtctgtctt acaaggcagc cttttcacgc agtaactcca gagagaaccg aaggagcgtg 180
 caacagcaaaa cactaaggag ctcagccgcc agccacgcac tcatcactct cgggcccggt 240
 gcgcggcaga actggcgcac nnttnnnccg gcaggttgca cccagaatcc gggcccttgc 300
 cagacagggga cggaaccgga aatcgctgta cgtctcgtct cacggttgct aagagacgga 360
 gcttccacaa accagaacca gatagagggt ctcagctttt tcttcgattg tctctgcttt 420
 agcgtctcta aatccggtca ccatgtcgga ccccgaggc gagacctcgc gaagcacctt 480
 tccctcttac atggcggaag gcgagcggct ctacctgtgc ggagaattct gtgtgaaatt 540
 gttatccgct cacaattccc acacaacatg agcgtcagac cccgaagaaa agatcaaagg 600
 atcttctttg agatcccttt ttttctgcgc gtaatctgct gcttgcaaac aaaaaacca 660
 ccgntaccag cggnggtttt gnttngccgg atcaagagnt accaaantnt tttttcnnaa 720
 gnaacttggc ttnagcanaa ccnaaanacc aaatactgnc ntttngngta cccgtantta 780
 ggccccccct taaaaanttn nnanccncta atancngtt ttntaatttn ttacaanggg 840
 tnttgcnagg gnaaaaatttn gttttaccgg ttgnctnaaa aaaattttcc gaaaggcccn 900
 ngtnngntaa aggggntctg cccaacccat tgggnnannt cncccannt naatc 955

<210> 223
 <211> 927
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(927)
 <223> n is a, g, c or t

<400> 223
 nnnnntttta aanacnnanc cccccanta ntttgggggg gaaaaccccc agcatgcca 60
 cntatcatnn cccatcactg ggtaatatc acagnatcaa attatcctcc ctaacccagt 120
 cctgtgaata ttctcattga tcctcaaact cactttggcc tcagtgatcc ccaacagcct 180
 cctttacaac ettacaacat ccaagttcct gttctgtgag agtttctct cgaacacaaa 240
 cattccgtac aattcagtct ctactccgt caatcctcta cattggcagt gagaccttat 300
 tttgtgacct tttactttac agcagccatt tcaaagagac attctctagc ctgaaagggc 360
 tccagattct ttcaactttc tattatgtat gcattgcaa tattgaattt gcactatctt 420
 atcaactatt ctaaaactac tgacatttgc agaaactggc catttggtct tagggaaaat 480
 gtctgtgtta tccaaaaatg gagattaaaa acttgcacac attcctactt gatttcaca 540


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gngacctgat ctatggtatc tagentcctt cccctctgcc ccaagttcac atttccatca      600
gctcatatat actcttcctt ttctactcct gctgacaggg tccaaggata ctgcctcaaa      660
aactctataa aaganaataa aaactnatta actggctttt ctatcnaaaa nctttcnact      720
agnaatatta anaaangntt ttcaaccggg nggatccgaa ancatccnaa gnagggntna      780
ngccnaaaaa aaaaataatn nntttccccc aaaaannaaa aaatagnntn tnangggggc      840
ccngnncntn gnaaaagaaa naannccggg cntnnaaana nnannaaaaa nntccncngg      900
nttnannnnn aaaaancatn aancnnn                                           927

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<210> 224
<211> 936
<212> DNA
<213> Cercopithecus aethiops

```

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<220>
<221> misc_feature
<222> (1)..(936)
<223> n is a, g, c or t

```

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<400> 224
tttttccgng gnanntannn ntttanactt ncccccccc atttcttggg gggggaanac      60
ccccccacag nncacttcg cggtcgccag gcagtcaggc aaagnaggcc gaagcaaagc      120
cctagaagca aagccacagg aataagtcag ctttcccaga ggtcaaagaa ggctgtaggg      180
ccacctgcca cgcctcccga ccccggccgc gcggcctggg cccgctcccc aaccaaagag      240
gcccgaaattc agagannttt tagcagtttc acagaaagct tctttccagt tttgaacgga      300
agatatttcc tttttaccg taggcctcta tgggcttcca aatatccctt tgccaattcc      360
acaagaacag ccttagcgaa aggcttcttg aagggaaaga tgtaactctg tgaaatgaat      420
tctgcttata ggtcttgaga taaagtcacc gatctcatat catggattat aaggttttcc      480
ttctattttc tggcattttg gatatgtaat gatgagcatc agaaagttta atcatattta      540
attttttagaa ttattaaata ctctgaggt cattttgggt gattttgngt ggctttcaac      600
cataaagaga tcaatgcctt gcagatataa agctttcctt ttccttcttt aataattnta      660
aactctgaat tnatgnctac agatatntaa tngatcataa atganaaatg ngatactatt      720
cnctacctcc ttatctgttc tcggaanaga ctatacancc ctgcaannat ngaagttnan      780
gattgcttnt acgaaannna aaaaaaattn acttnttttt nggcaanana aaatgcttcc      840
tccgttgnaa actccctca ngngntntta gggggnannc taccttnaan ttcctngnc      900
ctggnnnncg tnnnaggnan tgcaaanngn tttctt                                           936

```

<210> 225
 <211> 605
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(605)
 <223> n is a, g, c or t

<400> 225
 ttttncnnng nnntacnnct tnnnnanttn anncccccc attattttng gggggaaacc 60
 tagnaaaaat aatantgtac aagattttat ttttgtcttt aaccagaatg atgtatttgg 120
 ttaagaagat agtccaagtt aaaggcatac attcaagcta gtggcacatt cggaagagca 180
 gacaaagata gttggttgca aatgggaaat ttaagccatg atcttaaaag gacagaatgg 240
 atatttgta cttttnctat gggaataatt gatttttttc accttccctt tcttggattt 300
 tttttttttt ttaaattagt ttggttactt taaccttact gtcggttata ttggttctct 360
 ttttatgtct gagttttttt ttttttttga gacggagtct tgctctgtcg cccaggctgg 420
 agtgcagtgg ccggatctca gctcactgca agctctgcct cccgggttta caccattctc 480
 ctgcctcagc ctntctagta gctaggacta caggcgcccg ccacctngcc cggctagttt 540
 tttgtatttt ttagtagaga cgggttttna cccnnntnnn ncanatgggt tnnntctnct 600
 ntctt 605

<210> 226
 <211> 654
 <212> DNA
 <213> Cercopithecus aethiops

<220>
 <221> misc_feature
 <222> (1)..(654)
 <223> n is a, g, c or t

<400> 226
 tttntngggg nnnnnnnngn attgnnntc cccccgtnn nttggggggn aannccnncc 60
 antactgttt gaggaaagac tgaggntcag atggcagagg ctccntagag gaaggaggct 120
 acagccttga gggcatcagc ttcccacact cccaacctgc tgctctctct tgctggaatg 180
 aggagggggc tcttggtgg ggggtctccag ggtggaggga ggagctcaca ttcttagcat 240
 tcctnttncc ctgagttgca aggaagacct ggtgagcatg ctgacccagc aggagtgact 300
 caggcccatg gctcgagtgc ctgaggagg accagggtcg gggatggggc atgagtcagc 360
 ctggcaggtc ccataagaag ggaagggaag ggagagaaat gggggctgca caggtgtgag 420

ggctctgtgca	tgtctgtgtg	gtgtggtggg	gtgtctggat	atccgngtgt	tctggatctg	480
agtgttagtg	tatccgncag	cacaacctct	gtgtgagggt	gtgtctnngc	gaggggtgggc	540
ttctgtggat	gtcccntgtg	tggnatgtgt	gngtgtgtgt	gtgnngnact	aanntatnnc	600
cttcaacnng	ggntctnncc	caangngnnt	ntggatctnc	atannatgtc	tctc	654

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<210> 227
<211> 2635
<212> DNA
<213> homo sapiens
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<220>
<221> CDS
<222> (285) .. (1679)
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[illegible]

Val	Leu	Lys	Ala	Leu	Ser	Glu	Glu	Lys	Asp	Val	Leu	Lys	Gln	Gln	Leu	
			120					125					130			
tct	gct	gca	acc	tca	cga	att	gct	gaa	ctt	gaa	agc	aaa	acc	aat	aca	728
Ser	Ala	Ala	Thr	Ser	Arg	Ile	Ala	Glu	Leu	Glu	Ser	Lys	Thr	Asn	Thr	
		135					140					145				
ctc	cgt	tta	tca	cag	act	gtg	gct	cca	aac	tgc	ttc	aac	tca	tca	ata	776
Leu	Arg	Leu	Ser	Gln	Thr	Val	Ala	Pro	Asn	Cys	Phe	Asn	Ser	Ser	Ile	
	150					155					160					
aat	aat	att	cat	gaa	atg	gaa	ata	cag	ctg	aaa	gat	gct	ctg	gag	aaa	824
Asn	Asn	Ile	His	Glu	Met	Glu	Ile	Gln	Leu	Lys	Asp	Ala	Leu	Glu	Lys	
165					170					175					180	
aat	cag	cag	tgg	ctc	gtg	tat	gat	cag	cag	cgg	gaa	gtc	tat	gta	aaa	872
Asn	Gln	Gln	Trp	Leu	Val	Tyr	Asp	Gln	Gln	Arg	Glu	Val	Tyr	Val	Lys	
			185							190				195		
gga	ctt	tta	gca	aag	atc	ttt	gag	ttg	gaa	aag	aaa	acg	gaa	aca	gct	920
Gly	Leu	Leu	Ala	Lys	Ile	Phe	Glu	Leu	Glu	Lys	Lys	Thr	Glu	Thr	Ala	
			200					205					210			
gct	cat	tca	ctc	cca	cag	cag	aca	aaa	aag	cct	gaa	tca	gaa	ggg	tat	968
Ala	His	Ser	Leu	Pro	Gln	Gln	Thr	Lys	Lys	Pro	Glu	Ser	Glu	Gly	Tyr	
		215					220					225				
ctt	caa	gaa	gag	aag	cag	aaa	tgt	tac	aac	gat	ctc	ttg	gca	agt	gca	1016
Leu	Gln	Glu	Glu	Lys	Gln	Lys	Cys	Tyr	Asn	Asp	Leu	Leu	Ala	Ser	Ala	
	230					235					240					
aaa	aaa	gat	ctt	gag	gtt	gaa	cga	caa	acc	ata	act	cag	ctg	agt	ttt	1064
Lys	Lys	Asp	Leu	Glu	Val	Glu	Arg	Gln	Thr	Ile	Thr	Gln	Leu	Ser	Phe	
245					250					255					260	
gaa	ctg	agt	gaa	ttt	cga	aga	aaa	tat	gaa	gaa	acc	caa	aaa	gaa	gtt	1112
Glu	Leu	Ser	Glu	Phe	Arg	Arg	Lys	Tyr	Glu	Glu	Thr	Gln	Lys	Glu	Val	
			265						270					275		
cac	aat	tta	aat	cag	ctg	ttg	tat	tca	caa	aga	agg	gca	gat	gtg	caa	1160
His	Asn	Leu	Asn	Gln	Leu	Leu	Tyr	Ser	Gln	Arg	Arg	Ala	Asp	Val	Gln	
			280					285					290			
cat	ctg	gaa	gat	gat	agg	cat	aaa	aca	gag	aag	ata	caa	aaa	ctc	agg	1208
His	Leu	Glu	Asp	Asp	Arg	His	Lys	Thr	Glu	Lys	Ile	Gln	Lys	Leu	Arg	
		295					300					305				
gaa	gag	aat	gat	att	gct	agg	gga	aaa	ctt	gaa	gaa	gag	aag	aag	aga	1256
Glu	Glu	Asn	Asp	Ile	Ala	Arg	Gly	Lys	Leu	Glu	Glu	Glu	Lys	Lys	Arg	
	310					315					320					
tcc	gaa	gag	ctc	tta	tct	cag	gtc	cag	ttt	ctt	tac	aca	tct	ctg	cta	1304
Ser	Glu	Glu	Leu	Leu	Ser	Gln	Val	Gln	Phe	Leu	Tyr	Thr	Ser	Leu	Leu	
325					330					335					340	
aag	cag	caa	gaa	gaa	caa	aca	agg	gta	gct	ctg	ttg	gaa	caa	cag	atg	1352
Lys	Gln	Gln	Glu	Glu	Gln	Thr	Arg	Val	Ala	Leu	Leu	Glu	Gln	Gln	Met	
			345					350						355		
cag	gca	tgt	act	tta	gac	ttt	gaa	aat	gaa	aaa	ctc	gac	cgt	caa	cat	1400
Gln	Ala	Cys	Thr	Leu	Asp	Phe	Glu	Asn	Glu	Lys	Leu	Asp	Arg	Gln	His	

360	365	370	
gtg cag cat caa ttg ctt gta att ctt aag gag ctc cga aaa gca aga			1448
Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu Arg Lys Ala Arg			
375	380	385	
aat caa ata aca cag ttg gaa tcc ttg aaa cag ctt cat gag ttt gcc			1496
Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu His Glu Phe Ala			
390	395	400	
atc aca gag cca tta gtc act ttc caa gga gag act gaa aac aga gaa			1544
Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr Glu Asn Arg Glu			
405	410	415	420
aaa gtt gcc gcc tca cca aaa agt ccc act gct gca ctc aat gaa agc			1592
Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala Leu Asn Glu Ser			
425	430	435	
ctg gtg gaa tgt ccc aag tgc aat ata cag tat cca gcc act gag cat			1640
Leu Val Glu Cys Pro Lys Cys Asn Ile Gln Tyr Pro Ala Thr Glu His			
440	445	450	
cgc gat ctg ctt gtc cat gtg gaa tac tgt tca aag tag caaaataagt			1689
Arg Asp Leu Leu Val His Val Glu Tyr Cys Ser Lys			
455	460		
atttgttttg atattaaaag attcaatact gtattttctg ttagcttggtg ggcattttga			1749
attatatatt tcacattttg cataaaaactg cctatctacc tttgacactc cagcatgcta			1809
gtgaatcatg tatcttttag gctgctgtgc atttctcttg gcagtgatac ctccctgaca			1869
tggttcatca tcaggctgca atgacagaat gtgggtgagca gcgtctactg agactactaa			1929
cattttgcac tgtcaaaaata cttgggtgagg aaaagatagc tcagggttatt gctaattgggt			1989
taatgcacca gcaagcaaaa tatttttatgt tttggggggtt tgaaaaatca aagataatta			2049
accaaggatc ttaactgtgt tcgcattttt tatccaagca cttagaaaaac ctacaatcct			2109
aattttgatg tccattgtta agaggtgggtg atagatacta tttttttttt catattgtat			2169
agcggttatt agaaaagttg gggattttct tgatctttat tgctgcttac cattgaaact			2229
taaccagct gtgttcccca actctgttct gcgcacgaaa cagtatctgt ttgaggcata			2289
atcttaagtg gccacacaca atgttttctc ttatgttatc tggcagtaac tgtaacttga			2349
attacattag cacattctgc ttagctaaaa ttgttaaaat aaactttaat aaacccatgt			2409
agccctctca tttgattgac agtatttttag ttattttttg cattcttaaa gctgggcaat			2469
gtaatgatca gatctttggt tgtctgaaca ggtattttta tacatgcttt ttgtaaacca			2529
aaaactttta aatttcttca gggttttctaa catgcttacc actgggctac tgtaaatgag			2589
aaaagaataa aattatttaa tgttttaaaa aaaaaaaaaa aaaaaa			2635

<210> 228
<211> 464

<212> PRT

<213> homo sapiens

<400> 228

Met Ser Ser Arg Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp Gly Ser
 1 5 10 15

Lys Pro Ser Asn Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu Lys Gly
 20 25 30

Glu Ile Ala His Leu Lys Thr Ser Val Asp Glu Ile Thr Ser Gly Lys
 35 40 45

Gly Lys Leu Thr Asp Lys Glu Arg His Arg Leu Leu Glu Lys Ile Arg
 50 55 60

Val Leu Glu Ala Glu Lys Glu Lys Asn Ala Tyr Gln Leu Thr Glu Lys
 65 70 75 80

Asp Lys Glu Ile Gln Arg Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser
 85 90 95

Thr Thr Ala Leu Leu Glu Gln Leu Glu Glu Thr Thr Arg Glu Gly Glu
 100 105 110

Arg Arg Glu Gln Val Leu Lys Ala Leu Ser Glu Glu Lys Asp Val Leu
 115 120 125

Lys Gln Gln Leu Ser Ala Ala Thr Ser Arg Ile Ala Glu Leu Glu Ser
 130 135 140

Lys Thr Asn Thr Leu Arg Leu Ser Gln Thr Val Ala Pro Asn Cys Phe
 145 150 155 160

Asn Ser Ser Ile Asn Asn Ile His Glu Met Glu Ile Gln Leu Lys Asp
 165 170 175

Ala Leu Glu Lys Asn Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu
 180 185 190

Val Tyr Val Lys Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys
 195 200 205

Thr Glu Thr Ala Ala His Ser Leu Pro Gln Gln Thr Lys Lys Pro Glu
 210 215 220

Ser Glu Gly Tyr Leu Gln Glu Glu Lys Gln Lys Cys Tyr Asn Asp Leu
 225 230 235 240

Leu Ala Ser Ala Lys Lys Asp Leu Glu Val Glu Arg Gln Thr Ile Thr
 245 250 255

Gln Leu Ser Phe Glu Leu Ser Glu Phe Arg Arg Lys Tyr Glu Glu Thr
 260 265 270

Gln Lys Glu Val His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg
 275 280 285

Ala Asp Val Gln His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile
 290 295 300

Gln Lys Leu Arg Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu
 305 310 315 320

Glu Lys Lys Arg Ser Glu Glu Leu Leu Ser Gln Val Gln Phe Leu Tyr
 325 330 335

Thr Ser Leu Leu Lys Gln Gln Glu Glu Gln Thr Arg Val Ala Leu Leu
 340 345 350

Glu Gln Gln Met Gln Ala Cys Thr Leu Asp Phe Glu Asn Glu Lys Leu
 355 360 365

Asp Arg Gln His Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu
 370 375 380

Arg Lys Ala Arg Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu
 385 390 395 400

His Glu Phe Ala Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr
 405 410 415

Glu Asn Arg Glu Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala
 420 425 430

Leu Asn Glu Ser Leu Val Glu Cys Pro Lys Cys Asn Ile Gln Tyr Pro
 435 440 445

Ala Thr Glu His Arg Asp Leu Leu Val His Val Glu Tyr Cys Ser Lys
 450 455 460

<210> 229

<211> 2635

<212> DNA
<213> homo sapiens

<220>
<221> CDS
<222> (285)..(1679)

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<400> 229
ggccgacgcg agcgccgcgc ttcgcttcag ctgctagctg gccaagggga ggcgaccgcg      60
gaggggtggcg aggggcggcc aggacccgca gccccggggc cgggccgggtc cggaccgcca      120
gggaggggcag gtcagtgggc agatcgcgtc cgcggggattc aatctctgcc cgctctgata      180
acagtccttt tccctggcgc tcacttcgtg cctggcaccg ggctgggcgc ctcaagaccg      240
ttgtctcttc gatcgcttct ttggacttgg cgaccatttc agag atg tct tcc aga      296
                               Met Ser Ser Arg
                               1

agt acc aaa gat tta att aaa agt aag tgg gga tcg aag cct agt aac      344
Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp Gly Ser Lys Pro Ser Asn
5                               10                               15                               20

tcc aaa tcc gaa act aca tta gaa aaa tta aag gga gaa att gca cac      392
Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu Lys Gly Glu Ile Ala His
                               25                               30                               35

tta aag aca tca gtg gat gaa atc aca agt ggg aaa gga aag ctg act      440
Leu Lys Thr Ser Val Asp Glu Ile Thr Ser Gly Lys Gly Lys Leu Thr
                               40                               45                               50

gat aaa gag aga cac aga ctt ttg gag aaa att cga gtc ctt gag gct      488
Asp Lys Glu Arg His Arg Leu Leu Glu Lys Ile Arg Val Leu Glu Ala
55                               60                               65

gag aag gag aag aat gct tat caa ctc aca gag aag gac aaa gaa ata      536
Glu Lys Glu Lys Asn Ala Tyr Gln Leu Thr Glu Lys Asp Lys Glu Ile
70                               75                               80

cag cga ctg aga gac caa ctg aag gcc aga tat agt act acc gca ttg      584
Gln Arg Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser Thr Thr Ala Leu
85                               90                               95                               100

ctt gaa cag ctg gaa gag aca acg aga gaa gga gaa agg agg gag cag      632
Leu Glu Gln Leu Glu Glu Thr Thr Arg Glu Gly Glu Arg Arg Glu Gln
105                               110                               115

gtg ttg aaa gcc tta tct gaa gag aaa gac gta ttg aaa caa cag ttg      680
Val Leu Lys Ala Leu Ser Glu Glu Lys Asp Val Leu Lys Gln Gln Leu
120                               125                               130

tct gct gca acc tca cga att gct gaa ctt gaa agc aaa acc aat aca      728
Ser Ala Ala Thr Ser Arg Ile Ala Glu Leu Glu Ser Lys Thr Asn Thr
135                               140                               145

ctc cgt tta tca cag act gtg gct cca aac tgc ttc aac tca tca ata      776
Leu Arg Leu Ser Gln Thr Val Ala Pro Asn Cys Phe Asn Ser Ser Ile
150                               155                               160

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aat aat att cat gaa atg gaa ata cag ctg aaa gat gct ctg gag aaa	824
Asn Asn Ile His Glu Met Glu Ile Gln Leu Lys Asp Ala Leu Glu Lys	
165 170 175 180	
aat cag cag tgg ctc gtg tat gat cag cag cgg gaa gtc tat gta aaa	872
Asn Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu Val Tyr Val Lys	
185 190 195	
gga ctt tta gca aag atc ttt gag ttg gaa aag aaa acg gaa aca gct	920
Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys Thr Glu Thr Ala	
200 205 210	
gct cat tca ctc cca cag cag aca aaa aag cct gaa tca gaa ggt tat	968
Ala His Ser Leu Pro Gln Gln Thr Lys Lys Pro Glu Ser Glu Gly Tyr	
215 220 225	
ctt caa gaa gag aag cag aaa tgt tac aac gat ctc ttg gca agt gca	1016
Leu Gln Glu Glu Lys Gln Lys Cys Tyr Asn Asp Leu Leu Ala Ser Ala	
230 235 240	
aaa aaa gat ctt gag gtt gaa cga caa acc ata act cag ctg agt ttt	1064
Lys Lys Asp Leu Glu Val Glu Arg Gln Thr Ile Thr Gln Leu Ser Phe	
245 250 255 260	
gaa ctg agt gaa ttt cga aga aaa tat gaa gaa acc caa aaa gaa gtt	1112
Glu Leu Ser Glu Phe Arg Arg Lys Tyr Glu Glu Thr Gln Lys Glu Val	
265 270 275	
cac aat tta aat cag ctg ttg tat tca caa aga agg gca gat gtg caa	1160
His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg Ala Asp Val Gln	
280 285 290	
cat ctg gaa gat gat agg cat aaa aca gag aag ata caa aaa ctc agg	1208
His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile Gln Lys Leu Arg	
295 300 305	
gaa gag aat gat att gct agg gga aaa ctt gaa gaa gag aag aag aga	1256
Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu Glu Lys Lys Arg	
310 315 320	
tcc gaa gag ctc tta tct cag gtc cag ttt ctt tac aca tct ctg cta	1304
Ser Glu Glu Leu Leu Ser Gln Val Gln Phe Leu Tyr Thr Ser Leu Leu	
325 330 335 340	
aag cag caa gaa gaa caa aca agg gta gct ctg ttg gaa caa cag atg	1352
Lys Gln Gln Glu Glu Gln Thr Arg Val Ala Leu Leu Glu Gln Gln Met	
345 350 355	
cag gca tgt act tta gac ttt gaa aat gaa aaa ctc gac cgt caa cat	1400
Gln Ala Cys Thr Leu Asp Phe Glu Asn Glu Lys Leu Asp Arg Gln His	
360 365 370	
gtg cag cat caa ttg ctt gta att ctt aag gag ctc cga aaa gca aga	1448
Val Gln His Gln Leu Leu Val Ile Leu Lys Glu Leu Arg Lys Ala Arg	
375 380 385	
aat caa ata aca cag ttg gaa tcc ttg aaa cag ctt cat gag ttt gcc	1496
Asn Gln Ile Thr Gln Leu Glu Ser Leu Lys Gln Leu His Glu Phe Ala	
390 395 400	
atc aca gag cca tta gtc act ttc caa gga gag act gaa aac aga gaa	1544

Ile Thr Glu Pro Leu Val Thr Phe Gln Gly Glu Thr Glu Asn Arg Glu
405 410 415 420

aaa gtt gcc gcc tca cca aaa agt ccc act gct gca ctc aat gaa agc 1592
Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala Leu Asn Glu Ser
425 430 435

ctg gtg gaa tgt ccc aag tgc aat ata cag tat cca gcc act gag cat 1640
Leu Val Glu Cys Pro Lys Cys Asn Ile Gln Tyr Pro Ala Thr Glu His
440 445 450

cgc gat ctg ctt gtc cat gtg gaa tac tgt tca aag tag caaaataagt 1689
Arg Asp Leu Leu Val His Val Glu Tyr Cys Ser Lys
455 460

atttgttttg atattaaaag attcaatact gtattttctg ttagcttggtg ggcattttga 1749

attatatatt tcacattttg cataaaaactg cctatctacc tttgacactc cagcatgcta 1809

gtgaatcatg tatcttttag gctgctgtgc atttctcttg gcagtgatac ctccctgaca 1869

tggttcatca tcaggctgca atgacagaat gtggtgagca gcgtctactg agactactaa 1929

cattttgcac tgtcaaaata cttggtgagg aaaagatagc tcagggttatt gctaattgggt 1989

taatgcacca gcaagcaaaa tatttttatgt tttgggggtt tgaaaaatca aagataatta 2049

accaaggatc ttaactgtgt tcgcattttt tatccaagca cttagaaaac ctacaatcct 2109

aattttgatg tccattgtta agaggtggtg atagatacta tttttttttt catattgtat 2169

agcggttatt agaaaagttg gggattttct tgatctttat tgctgcttac cattgaaact 2229

taaccagct gtgttcccca actctgttct gcgcacgaaa cagtatctgt ttgaggcata 2289

atcttaagtg gccacacaca atgttttctc ttatgtttatc tggcagtaac tgtaacttga 2349

attacattag cacattctgc ttagctaaaa ttgttaaaat aaactttaat aaacccatgt 2409

agccctctca tttgattgac agtatttttag ttatttttgg cattcttaaa gctgggcaat 2469

gtaatgatca gatctttgtt tgtctgaaca ggtattttta tacatgcttt ttgtaaacca 2529

aaaactttta aatttcttca ggttttctaa catgcttacc actgggctac tgtaaatgag 2589

aaaagaataa aattatttaa tgttttaaaaa aaaaaaaaaa aaaaaa 2635

<210> 230

<211> 464

<212> PRT

<400> 230

Met Ser Ser Arg Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp Gly Ser
1 5 10 15

Lys Pro Ser Asn Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu Lys Gly
20 25 30

Glu Ile Ala His Leu Lys Thr Ser Val Asp Glu Ile Thr Ser Gly Lys
 35 40 45

Gly Lys Leu Thr Asp Lys Glu Arg His Arg Leu Leu Glu Lys Ile Arg
 50 55 60

Val Leu Glu Ala Glu Lys Glu Lys Asn Ala Tyr Gln Leu Thr Glu Lys
 65 70 75 80

Asp Lys Glu Ile Gln Arg Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser
 85 90 95

Thr Thr Ala Leu Leu Glu Gln Leu Glu Glu Thr Thr Arg Glu Gly Glu
 100 105 110

Arg Arg Glu Gln Val Leu Lys Ala Leu Ser Glu Glu Lys Asp Val Leu
 115 120 125

Lys Gln Gln Leu Ser Ala Ala Thr Ser Arg Ile Ala Glu Leu Glu Ser
 130 135 140

Lys Thr Asn Thr Leu Arg Leu Ser Gln Thr Val Ala Pro Asn Cys Phe
 145 150 155 160

Asn Ser Ser Ile Asn Asn Ile His Glu Met Glu Ile Gln Leu Lys Asp
 165 170 175

Ala Leu Glu Lys Asn Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu
 180 185 190

Val Tyr Val Lys Gly Leu Leu Ala Lys Ile Phe Glu Leu Glu Lys Lys
 195 200 205

Thr Glu Thr Ala Ala His Ser Leu Pro Gln Gln Thr Lys Lys Pro Glu
 210 215 220

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Gln Lys Glu Val His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg
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Ala Asp Val Gln His Leu Glu Asp Asp Arg His Lys Thr Glu Lys Ile
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Gln Lys Leu Arg Glu Glu Asn Asp Ile Ala Arg Gly Lys Leu Glu Glu
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Glu Asn Arg Glu Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala
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Ala Ser Asn Ile Pro Lys Thr Lys Phe Gly Lys Pro Asp Pro Ile Val	
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Ile Pro Leu Asp Phe Ser Ser Ser Leu Gly Ile Ile Val Lys Asp Phe	
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Glu Thr Ile Gly Gln Asn Lys Leu Ile Gly Thr Ala Thr Val Ala Leu	
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Lys Asp Leu Thr Gly Asp Gln Ser Arg Ser Leu Pro Tyr Lys Leu Ile	
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Ser Leu Leu Asn Glu Lys Gly Gln Asp Thr Gly Ala Thr Ile Asp Leu	
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Val Ile Gly Tyr Asp Pro Pro Ser Ala Pro His Pro Asn Asp Leu Ser	
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Gly Pro Ser Val Pro Gly Met Gly Gly Asp Gly Glu Glu Asp Glu Gly	
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Pro	Pro	Pro	Glu	Arg	Arg	Asp	Arg	Asp	Asn	Asp	Ser	Asp	Asp	Val	Glu		
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Phe	Ser	Gln	Thr	Val	Lys	Glu	Ile	Phe	Gly	Gly	Asn	Ala	Asp	Lys	Lys		
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Asn	Leu	Val	Asp	Pro	Phe	Val	Glu	Val	Ser	Phe	Ala	Gly	Lys	Lys	Val		
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Cys	Thr	Asn	Ile	Ile	Glu	Lys	Asn	Ala	Asn	Pro	Glu	Trp	Asn	Gln	Val		
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Thr	Ile	Tyr	Asp	Trp	Asp	Arg	Leu	Thr	Lys	Asn	Asp	Val	Val	Gly	Thr		
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Ile Cys Phe Leu His Arg Ser Lys Thr Thr Glu Ile Ile His Ser	
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Leu Ser Glu Asp Gly Ser Arg Ile Arg Tyr Gly Gly Arg Asp Tyr	
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agc ttg gat gaa ttt gaa gcc aac aaa atc ctg cac cag cac ctc	5248
Ser Leu Asp Glu Phe Glu Ala Asn Lys Ile Leu His Gln His Leu	
1710 1715 1720	
ggg gcc cct gaa gag cgg ctt gct ctt cac atc ctc agg act cag	5293
Gly Ala Pro Glu Glu Arg Leu Ala Leu His Ile Leu Arg Thr Gln	
1725 1730 1735	
ggg ctg gtc cct gag cac gtg gaa aca agg act ttg cac agc acc	5338
Gly Leu Val Pro Glu His Val Glu Thr Arg Thr Leu His Ser Thr	
1740 1745 1750	
ttc cag ccc aac att tcc cag gga aaa ctt cag atg tgg gtg gat	5383
Phe Gln Pro Asn Ile Ser Gln Gly Lys Leu Gln Met Trp Val Asp	
1755 1760 1765	
gtt ttc ccc aag agt ttg ggg cca cca ggc cct cct ttc aac atc	5428
Val Phe Pro Lys Ser Leu Gly Pro Pro Gly Pro Pro Phe Asn Ile	
1770 1775 1780	
aca ccc cgg aaa gcc aag aaa tac tac ctg cgt gtg atc atc tgg	5473
Thr Pro Arg Lys Ala Lys Lys Tyr Tyr Leu Arg Val Ile Ile Trp	
1785 1790 1795	
aac acc aag gac gtt atc ttg gac gag aaa agc atc aca gga gag	5518
Asn Thr Lys Asp Val Ile Leu Asp Glu Lys Ser Ile Thr Gly Glu	
1800 1805 1810	
gaa atg agt gac atc tac gtc aaa ggc tgg att cct ggc aat gaa	5563
Glu Met Ser Asp Ile Tyr Val Lys Gly Trp Ile Pro Gly Asn Glu	
1815 1820 1825	
gaa aac aaa cag aaa aca gat gtc cat tac aga tct ttg gat ggt	5608
Glu Asn Lys Gln Lys Thr Asp Val His Tyr Arg Ser Leu Asp Gly	
1830 1835 1840	
gaa ggg aat ttt aac tgg cga ttt gtt ttc ccg ttt gac tac ctt	5653
Glu Gly Asn Phe Asn Trp Arg Phe Val Phe Pro Phe Asp Tyr Leu	
1845 1850 1855	
cca gcc gaa caa ctc tgt atc gtt gcg aaa aaa gag cat ttc tgg	5698
Pro Ala Glu Gln Leu Cys Ile Val Ala Lys Lys Glu His Phe Trp	
1860 1865 1870	
agt att gac caa acg gaa ttt cga atc cca ccc agg ctg atc att	5743
Ser Ile Asp Gln Thr Glu Phe Arg Ile Pro Pro Arg Leu Ile Ile	
1875 1880 1885	

cag ata tgg gac aat	gac aag ttt tct ctg	gat gac tac ttg ggt	5788
Gln Ile Trp Asp Asn	Asp Lys Phe Ser Leu	Asp Asp Tyr Leu Gly	
1890	1895	1900	
ttc cta gaa ctt gac	ttg cgt cac acg atc	att cct gca aaa tca	5833
Phe Leu Glu Leu Asp	Leu Arg His Thr Ile	Ile Pro Ala Lys Ser	
1905	1910	1915	
cca gag aaa tgc agg	ttg gac atg att ccg	gac ctc aaa gcc atg	5878
Pro Glu Lys Cys Arg	Leu Asp Met Ile Pro	Asp Leu Lys Ala Met	
1920	1925	1930	
aac ccc ctt aaa gcc	aag aca gcc tcc ctc	ttt gag cag aag tcc	5923
Asn Pro Leu Lys Ala	Lys Thr Ala Ser Leu	Phe Glu Gln Lys Ser	
1935	1940	1945	
atg aaa gga tgg tgg	cca tgc tac gca gag	aaa gat ggc gcc cgc	5968
Met Lys Gly Trp Trp	Pro Cys Tyr Ala Glu	Lys Asp Gly Ala Arg	
1950	1955	1960	
gta atg gct ggg aaa	gtg gag atg aca ttg	gaa atc ctc aac gag	6013
Val Met Ala Gly Lys	Val Glu Met Thr Leu	Glu Ile Leu Asn Glu	
1965	1970	1975	
aag gag gcc gac gag	agg cca gcc ggg aag	ggg cgg gac gaa ccc	6058
Lys Glu Ala Asp Glu	Arg Pro Ala Gly Lys	Gly Arg Asp Glu Pro	
1980	1985	1990	
aac atg aac ccc aag	ctg gac tta cca aat	cga cca gaa acc tcc	6103
Asn Met Asn Pro Lys	Leu Asp Leu Pro Asn	Arg Pro Glu Thr Ser	
1995	2000	2005	
ttc ctc tgg ttc acc	aac cca tgc aag acc	atg aag ttc atc gtg	6148
Phe Leu Trp Phe Thr	Asn Pro Cys Lys Thr	Met Lys Phe Ile Val	
2010	2015	2020	
tgg cgc cgc ttt aag	tgg gtc atc atc ggc	ttg ctg ttc ctg ctt	6193
Trp Arg Arg Phe Lys	Trp Val Ile Ile Gly	Leu Leu Phe Leu Leu	
2025	2030	2035	
atc ctg ctg ctc ttc	gtg gcc gtg ctc ctc	tac tct ttg ccg aac	6238
Ile Leu Leu Leu Phe	Val Ala Val Leu Leu	Tyr Ser Leu Pro Asn	
2040	2045	2050	
tat ttg tca atg aag	att gta aag cca aat	gtg taa caaaggcaaa	6284
Tyr Leu Ser Met Lys	Ile Val Lys Pro Asn	Val	
2055	2060		
ggcttcattt caagagtc	cat ccagcaatga gaga	atccctg cctctgtaga	6344
ccaacatcca			
gtgtgatttt gtgtctg	gaga ccacacccca	gtagcagggtt acgccat	6404
gtc accgagcccc			
attgattccc agagggt	cctt agtcctggaa	agtcaggcca acaagca	6464
acg tttgcatcat			
gttatctctt aagtatta	aaa agttttattt	tctaaagttt aaatcat	6524
ggtt tttcaaaata			
tttttcaagg tggctg	gttc catttaaaaa	tcattctttt atatgt	6584
gtct tcggttctag			
acttcagctt ttggaa	attg ctaaatagaa	ttcaaaaatc tctgcat	6644
cct gaggtgat			
acttcatatt tgtaat	caac tgaaagagct	gtgcattata aaatcag	6704
tta gaatagttag			

aacaattctt atttatgccc acaaccattg ctatatcttg tatggatgtc ataaaagtct 6764
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Lys Lys Thr Lys Lys Val Asp Asn Glu Leu Asn Pro Val Trp Asn Glu
 35 40 45

Ile Leu Glu Phe Asp Leu Arg Gly Ile Pro Leu Asp Phe Ser Ser Ser
 50 55 60

Leu Gly Ile Ile Val Lys Asp Phe Glu Thr Ile Gly Gln Asn Lys Leu
 65 70 75 80

Ile Gly Thr Ala Thr Val Ala Leu Lys Asp Leu Thr Gly Asp Gln Ser
 85 90 95

Arg Ser Leu Pro Tyr Lys Leu Ile Ser Leu Leu Asn Glu Lys Gly Gln
 100 105 110

Asp Thr Gly Ala Thr Ile Asp Leu Val Ile Gly Tyr Asp Pro Pro Ser
 115 120 125

Ala Pro His Pro Asn Asp Leu Ser Gly Pro Ser Val Pro Gly Met Gly
 130 135 140

Gly Asp Gly Glu Glu Asp Glu Gly Asp Glu Asp Arg Leu Asp Asn Ala
 145 150 155 160

Val Arg Gly Pro Gly Pro Lys Gly Pro Val Gly Thr Val Ser Glu Ala
 165 170 175

Gln Leu Ala Arg Arg Leu Thr Lys Val Lys Asn Ser Arg Arg Met Leu
 180 185 190

Ser Asn Lys Pro Gln Asp Phe Gln Ile Arg Val Arg Val Ile Glu Gly
 195 200 205

Arg Gln Leu Ser Gly Asn Asn Ile Arg Pro Val Val Lys Val His Val
 210 215 220

Cys Gly Gln Thr His Arg Thr Arg Ile Lys Arg Gly Asn Asn Pro Phe
 225 230 235 240

Phe Asp Glu Leu Phe Phe Tyr Asn Val Asn Met Thr Pro Ser Glu Leu
 245 250 255

Met Asp Glu Ile Ile Ser Ile Arg Val Tyr Asn Ser His Ser Leu Arg
 260 265 270

Ala Asp Cys Leu Met Gly Glu Phe Lys Ile Asp Val Gly Phe Val Tyr
 275 280 285

Asp Glu Pro Gly His Ala Val Met Arg Lys Trp Leu Leu Leu Asn Asp
 290 295 300

Pro Glu Asp Thr Ser Ser Gly Ser Lys Gly Tyr Met Lys Val Ser Met
 305 310 315 320

Phe Val Leu Gly Thr Gly Asp Glu Pro Pro Pro Glu Arg Arg Asp Arg
 325 330 335

Asp Asn Asp Ser Asp Asp Val Glu Ser Asn Leu Leu Leu Pro Ala Gly
 340 345 350

Ile Ala Leu Arg Trp Val Thr Phe Leu Leu Lys Ile Tyr Arg Ala Glu
 355 360 365

Asp Ile Pro Gln Met Asp Asp Ala Phe Ser Gln Thr Val Lys Glu Ile
 370 375 380

Phe Gly Gly Asn Ala Asp Lys Lys Asn Leu Val Asp Pro Phe Val Glu

Val Ser Phe Ala Gly Lys Lys Val Cys Thr Asn Ile Ile Glu Lys Asn
 405 410 415

Ala Asn Pro Glu Trp Asn Gln Val Val Asn Leu Gln Ile Lys Phe Pro
 420 425 430

Ser Val Cys Glu Lys Ile Lys Leu Thr Ile Tyr Asp Trp Asp Arg Leu
435 440 445

Thr Lys Asn Asp Val Val Gly Thr Thr Tyr Leu His Leu Ser Lys Ile
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Ala Ala Ser Gly Gly Glu Val Glu Asp Phe Ser Ser Ser Gly Thr Gly
465 470 475 480

Ala Ala Ser Tyr Thr Val Asn Thr Gly Glu Thr Glu Val Gly Phe Val
485 490 495

Pro Thr Phe Gly Pro Cys Tyr Leu Asn Leu Tyr Gly Ser Pro Arg Glu
500 505 510

Tyr Thr Gly Phe Pro Asp Pro Tyr Asp Glu Leu Asn Thr Gly Lys Gly
515 520 525

Glu Gly Val Ala Tyr Arg Gly Arg Ile Leu Val Glu Leu Ala Thr Phe
530 535 540

Leu Glu Lys Thr Pro Pro Asp Lys Lys Leu Glu Pro Ile Ser Asn Asp
545 550 555 560

Asp Leu Leu Val Val Glu Lys Tyr Gln Arg Arg Arg Lys Tyr Ser Leu
565 570 575

Ser Ala Val Phe His Ser Ala Thr Met Leu Gln Asp Val Gly Glu Ala
580 585 590

Ile Gln Phe Glu Val Ser Ile Gly Asn Tyr Gly Asn Lys Phe Asp Thr
595 600 605

Thr Cys Lys Pro Leu Ala Ser Thr Thr Gln Tyr Ser Arg Ala Val Phe
610 615 620

Asp Gly Asn Tyr Tyr Tyr Tyr Leu Pro Trp Ala His Thr Lys Pro Val
625 630 635 640

Val Thr Leu Thr Ser Tyr Trp Glu Asp Ile Ser His Arg Leu Asp Ala
645 650 655

Val Asn Thr Leu Leu Ala Met Ala Glu Arg Leu Gln Thr Asn Ile Glu
660 665 670

Ala Leu Lys Ser Gly Ile Gln Gly Lys Ile Pro Ala Asn Gln Leu Ala

675

680

685

Glu Leu Trp Leu Lys Leu Ile Asp Glu Val Ile Glu Asp Thr Arg Tyr
 690 695 700

Thr Leu Pro Leu Thr Glu Gly Lys Ala Asn Val Thr Val Leu Asp Thr
 705 710 715 720

Gln Ile Arg Lys Leu Arg Ser Arg Ser Leu Ser Gln Ile His Glu Ala
 725 730 735

Ala Val Arg Met Arg Ser Glu Ala Thr Asp Val Lys Ser Thr Leu Ala
 740 745 750

Glu Ile Glu Asp Trp Leu Asp Lys Leu Met Gln Leu Thr Glu Glu Pro
 755 760 765

Gln Asn Ser Met Pro Asp Ile Ile Ile Trp Met Ile Arg Gly Glu Lys
 770 775 780

Arg Leu Ala Tyr Ala Arg Ile Pro Ala His Gln Val Leu Tyr Ser Thr
 785 790 795 800

Ser Gly Glu Asn Ala Ser Gly Lys Tyr Cys Gly Lys Thr Gln Thr Ile
 805 810 815

Phe Leu Lys Tyr Pro Gln Glu Lys Asn Asn Gly Pro Lys Val Pro Val
 820 825 830

Glu Leu Arg Val Asn Ile Trp Leu Gly Leu Ser Ala Val Glu Lys Lys
 835 840 845

Phe Asn Ser Phe Ala Glu Gly Thr Phe Thr Val Phe Ala Glu Met Tyr
 850 855 860

Glu Asn Gln Ala Leu Met Phe Gly Lys Trp Gly Thr Ser Gly Leu Val
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Gly Arg His Lys Phe Ser Asp Val Thr Gly Lys Ile Lys Leu Lys Arg
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Glu Phe Phe Leu Pro Pro Lys Gly Trp Glu Trp Glu Gly Glu Trp Ile

Val Asp Pro Glu Arg Ser Leu Leu Thr Glu Ala Asp Ala Gly His Thr
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Glu Phe Thr Asp Glu Val Tyr Gln Asn Glu Ser Arg Tyr Pro Gly Gly
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Asp Trp Lys Pro Ala Glu Asp Thr Tyr Thr Asp Ala Asn Gly Asp Lys
 945 950 955 960

Ala Ala Ser Pro Ser Glu Leu Thr Cys Pro Pro Gly Trp Glu Trp Glu
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Asp Asp Ala Trp Ser Tyr Asp Ile Asn Arg Ala Val Asp Glu Lys Gly
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Trp Glu Tyr Gly Ile Thr Ile Pro Pro Asp His Lys Pro Lys Ser Trp
 995 1000 1005

Val Ala Ala Glu Lys Met Tyr His Thr His Arg Arg Arg Arg Leu
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Val Arg Lys Arg Lys Lys Asp Leu Thr Gln Thr Ala Ser Ser Thr
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Ala Arg Ala Met Glu Glu Leu Gln Asp Gln Glu Gly Trp Glu Tyr
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Ala Ser Leu Ile Gly Trp Lys Phe His Trp Lys Gln Arg Ser Ser
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Asp Thr Phe Arg Arg Arg Arg Trp Arg Arg Lys Met Ala Pro Ser
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Glu Thr His Gly Ala Ala Ala Ile Phe Lys Leu Glu Gly Ala Leu
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Gly Ala Asp Thr Thr Glu Asp Gly Asp Glu Lys Ser Leu Glu Lys
 1100 1105 1110

Gln Lys His Ser Ala Thr Thr Val Phe Gly Ala Asn Thr Pro Ile
 1115 1120 1125

Val Ser Cys Asn Phe Asp Arg Val Tyr Ile Tyr His Leu Arg Cys
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Tyr Val Tyr Gln Ala Arg Asn Leu Leu Ala Leu Asp Lys Asp Ser
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Phe Ser Asp Pro Tyr Ala His Ile Cys Phe Leu His Arg Ser Lys
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Thr Thr Glu Ile Ile His Ser Thr Leu Asn Pro Thr Trp Asp Gln
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Thr Ile Ile Phe Asp Glu Val Glu Ile Tyr Gly Glu Pro Gln Thr
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Val Leu Gln Asn Pro Pro Lys Val Ile Met Glu Leu Phe Asp Asn
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Asp Gln Val Gly Lys Asp Glu Phe Leu Gly Arg Ser Ile Phe Ser
1220 1225 1230

Pro Val Val Lys Leu Asn Ser Glu Met Asp Ile Thr Pro Lys Leu
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Leu Trp His Pro Val Met Asn Gly Asp Lys Ala Cys Gly Asp Val
1250 1255 1260

Leu Val Thr Ala Glu Leu Ile Leu Arg Gly Lys Asp Gly Ser Asn
1265 1270 1275

Leu Pro Ile Leu Pro Pro Gln Arg Ala Pro Asn Leu Tyr Met Val
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Pro Gln Gly Ile Arg Pro Val Val Gln Leu Thr Ala Ile Glu Ile
1295 1300 1305

Leu Ala Trp Gly Leu Arg Asn Met Lys Asn Phe Gln Met Ala Ser
1310 1315 1320

Ile Thr Ser Pro Ser Leu Val Val Glu Cys Gly Gly Glu Arg Val
1325 1330 1335

Glu Ser Val Val Ile Lys Asn Leu Lys Lys Thr Pro Asn Phe Pro
1340 1345 1350

Ser Ser Val Leu Phe Met Lys Val Phe Leu Pro Lys Glu Glu Leu
1355 1360 1365

Tyr Met Pro Pro Leu Val Ile Lys Val Ile Asp His Arg Gln Phe
1370 1375 1380

Gly Arg Lys Pro Val Val Gly Gln Cys Thr Ile Glu Arg Leu Asp

1385	1390	1395
Arg Phe 1400	Arg Cys Asp Pro Tyr 1405	Ala Gly Lys Glu Asp Ile Val Pro 1410
Gln Leu 1415	Lys Ala Ser Leu Leu 1420	Ser Ala Pro Pro Cys Arg Asp Ile 1425
Val Ile 1430	Glu Met Glu Asp Thr 1435	Lys Pro Leu Leu Ala Ser Lys Leu 1440
Thr Glu 1445	Lys Glu Glu Glu Ile 1450	Val Asp Trp Trp Ser Lys Phe Tyr 1455
Ala Ser 1460	Ser Gly Glu His Glu 1465	Lys Cys Gly Gln Tyr Ile Gln Lys 1470
Gly Tyr 1475	Ser Lys Leu Lys Ile 1480	Tyr Asn Cys Glu Leu Glu Asn Val 1485
Ala Glu 1490	Phe Glu Gly Leu Thr 1495	Asp Phe Ser Asp Thr Phe Lys Leu 1500
Tyr Arg	Gly Lys Ser Asp Glu	Asn Glu Asp Pro Ser Val Val Gly
Glu Phe 1520	Lys Gly Ser Phe Arg 1525	Ile Tyr Pro Leu Pro Asp Asp Pro 1530
Ser Val 1535	Pro Ala Pro Pro Arg 1540	Gln Phe Arg Glu Leu Pro Asp Ser 1545
Val Pro 1550	Gln Glu Cys Thr Val 1555	Arg Ile Tyr Ile Val Arg Gly Leu 1560
Glu Leu 1565	Gln Pro Gln Asp Asn 1570	Asn Gly Leu Cys Asp Pro Tyr Ile 1575
Lys Ile 1580	Thr Leu Gly Lys Lys 1585	Val Ile Glu Asp Arg Asp His Tyr 1590
Ile Pro 1595	Asn Thr Leu Asn Pro 1600	Val Phe Gly Arg Met Tyr Glu Leu 1605
Ser Cys 1610	Tyr Leu Pro Gln Glu 1615	Lys Asp Leu Lys Ile Ser Val Tyr 1620

Asp Tyr 1625 Asp Thr Phe Thr Arg 1630 Asp Glu Lys Val Gly 1635 Glu Thr Ile
 Ile Asp 1640 Leu Glu Asn Arg Phe 1645 Leu Ser Arg Phe Gly 1650 Ser His Cys
 Gly Ile 1655 Pro Glu Glu Tyr Cys 1660 Val Ser Gly Val Asn 1665 Thr Trp Arg
 Asp Gln 1670 Leu Arg Pro Thr Gln 1675 Leu Leu Gln Asn Val 1680 Ala Arg Phe
 Lys Gly 1685 Phe Pro Gln Pro Ile 1690 Leu Ser Glu Asp Gly 1695 Ser Arg Ile
 Arg Tyr 1700 Gly Gly Arg Asp Tyr 1705 Ser Leu Asp Glu Phe 1710 Glu Ala Asn
 Lys Ile 1715 Leu His Gln His Leu 1720 Gly Ala Pro Glu Glu 1725 Arg Leu Ala
 Leu His 1730 Ile Leu Arg Thr Gln 1735 Gly Leu Val Pro Glu 1740 His Val Glu
 Thr Arg 1745 Thr Leu His Ser Thr 1750 Phe Gln Pro Asn Ile 1755 Ser Gln Gly
 Lys Leu 1760 Gln Met Trp Val Asp 1765 Val Phe Pro Lys Ser 1770 Leu Gly Pro
 Pro Gly 1775 Pro Pro Phe Asn Ile 1780 Thr Pro Arg Lys Ala 1785 Lys Lys Tyr
 Tyr Leu 1790 Arg Val Ile Ile Trp 1795 Asn Thr Lys Asp Val 1800 Ile Leu Asp
 Glu Lys 1805 Ser Ile Thr Gly Glu 1810 Glu Met Ser Asp Ile 1815 Tyr Val Lys
 Gly Trp 1820 Ile Pro Gly Asn Glu 1825 Glu Asn Lys Gln Lys 1830 Thr Asp Val
 His Tyr 1835 Arg Ser Leu Asp Gly 1840 Glu Gly Asn Phe Asn 1845 Trp Arg Phe
 Val Phe Pro Phe Asp Tyr Leu Pro Ala Glu Gln Leu Cys Ile Val

1850

1855

1860

Ala Lys Lys Glu His Phe Trp Ser Ile Asp Gln Thr Glu Phe Arg
 1865 1870 1875

Ile Pro Pro Arg Leu Ile Ile Gln Ile Trp Asp Asn Asp Lys Phe
 1880 1885 1890

Ser Leu Asp Asp Tyr Leu Gly Phe Leu Glu Leu Asp Leu Arg His
 1895 1900 1905

Thr Ile Ile Pro Ala Lys Ser Pro Glu Lys Cys Arg Leu Asp Met
 1910 1915 1920

Ile Pro Asp Leu Lys Ala Met Asn Pro Leu Lys Ala Lys Thr Ala
 1925 1930 1935

Ser Leu Phe Glu Gln Lys Ser Met Lys Gly Trp Trp Pro Cys Tyr
 1940 1945 1950

Ala Glu Lys Asp Gly Ala Arg Val Met Ala Gly Lys Val Glu Met
 1955 1960 1965

Thr Leu Glu Ile Leu Asn Glu Lys Glu Ala Asp Glu Arg Pro Ala
 1970 1975 1980

Gly Lys Gly Arg Asp Glu Pro Asn Met Asn Pro Lys Leu Asp Leu
 1985 1990 1995

Pro Asn Arg Pro Glu Thr Ser Phe Leu Trp Phe Thr Asn Pro Cys
 2000 2005 2010

Lys Thr Met Lys Phe Ile Val Trp Arg Arg Phe Lys Trp Val Ile
 2015 2020 2025

Ile Gly Leu Leu Phe Leu Leu Ile Leu Leu Leu Phe Val Ala Val
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Pro Asn Val
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